

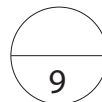
حمل الآن

مجانا وحصريا

امتحانات رقم (1)

الترم الثاني

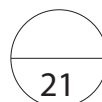




1 Choose the correct answer:

- a The reciprocal of 5 is ($1, \frac{1}{5}, 15, 5$)
- b If the water tap is leaking 420 liters of water in one hour, then the rate of leaking = L/min. (420 , 7 , 70 , 42)
- c The ratio between the perimeter of an equilateral triangle and its side length = (1:4 , 4:1 , 1:3 , 3:1)
- d 10% of = 27 (540 , 270 , 10 , 2.7)
- e Which point of the following lies in the 4th quadrant
[(-2 , 3) , (-4 , -3) , (5 , -1) , (1 , 1)]
- f A parallelogram which all sides are equal in length is called a
(square , rectangle , rhombus , trapezium)
- g The ratio between two numbers is 2 : 5. If the first number became 8, then the second number will be (8 , 10 , 15 , 20)
- h $\frac{2}{3} \div \frac{1}{5} = \dots\dots\dots$ ($\frac{2}{3} \times 5, \frac{3}{2} \times 5, \frac{3}{4} \times \frac{1}{5}, \frac{7}{3} \times \frac{1}{5}$)
- i A cube with a surface area of 96 cm², then the edge length is cm.
(4 , 3 , 27 , 16)

2 Answer each of the following:



- a Complete the following ratio table:

1	2	.....	.....
3	.....	9	18

Answer:

.....

- b** A boy walks 15 km in 2 hours and 30 minutes. Calculate his average speed in meters per minute.

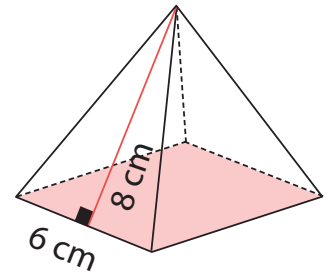
Answer:

- c** A parallelogram has an area of 84 cm^2 , and its base length is 12 cm. Calculate its corresponding height.

Answer:

- d** Find the surface area of the opposite square pyramid.

Answer:



- e** Write three ratios that equivalent to 5 : 30

Answer:

- f** Soha distributed 0.35 kg into some bags. If the mass of each bag is 0.01 kg, how many bags are needed?

Answer:

- g** An employee saves 2,700 L.E. monthly, if his monthly income is L.E. 6,000, find the percentage of what he saves monthly.

Answer:

1 Choose the correct answer:

- a If the volume of a cuboid is 280 cm^3 , and its base area is 70 cm^2 , then its height is cm. (40, 7, 4, 40)
- b Hany spends L.E. 120 in 4 days. What's the rate of what he spends per day? (L.E. 50 per day, L.E. 30 per day, L.E. 15 per day, L.E. 60 per day)
- c If $x : 15 = 1 : 3$, then $x + 3 =$ (5, 8, 9, 11)
- d If a car covers 240 km in 3 hours, then its speed is km/hr. (70, 80, 90, 110)
- e The distance between -6 and 5 on the number line is unit(s). (1, -1, 11, 5)
- f The area of a triangle = ($\frac{1}{2} \times b \times h$, $b \times h$, $W \times L$, $\frac{1}{4} b \times h$)
- g 35% of 160 = (56, 5.6, 0.56, 560)
- h A carpenter needs 40 m^2 to make 10 tables, then the rate of used wood = $\text{m}^2 / \text{table}$ (2, 3, 4, 300)
- i Any number multiplied by its reciprocal equals (0, 1, the same number, twice the number)

2 Answer each of the following:

- a Which is greater in area: a square whose side length is 6 cm or a rectangle with dimensions of 9 cm and 3 cm?

Answer:

.....

.....

- b If a speed of a car is 90 km per hour, what is the speed in cm per sec?

Answer:

.....

- c The volume of a cuboid is 810 cm^3 , and its height is 10 cm. Find its base area.

Answer:

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- d If the ratio between number of boys and girls in a class is 4 : 5 and the number of girls is 20 girls, find the number of boys.

Answer:

.....

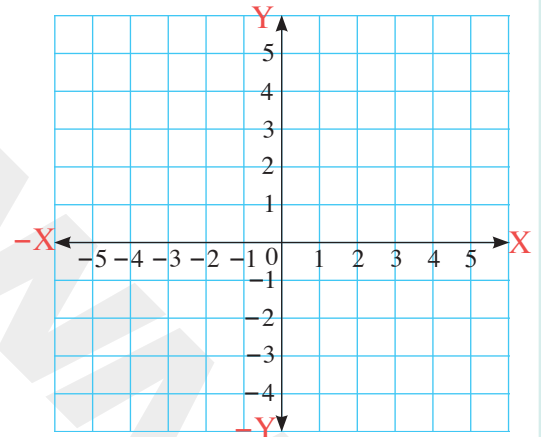
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- e Ali bought a car for L.E. 240,000, he paid 30% of its price. How much money did he pay?

Answer:

.....

- f Use the coordinate plane to plot the points $(-3, 4)$, $(4, 4)$ and $(4, -4)$ to draw a triangle, then write the type of the triangle according to the measure of its angles.



Answer:

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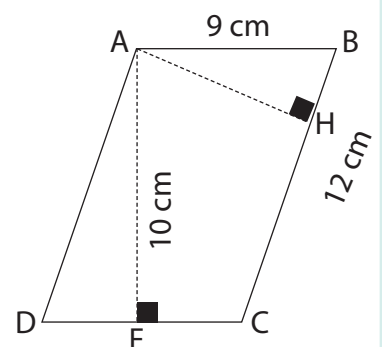
- g According the opposite shape:

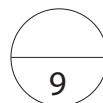
Find the length of \overline{AH} .

Answer:

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.....





1 Choose the correct answer:

- a The number of heights of a right-angled triangle is (0, 1, 2, 3)
- b The formula for the area of one face of a cube is ($6S^2$, $4S^2$, $6S$, S^2)
- c The area of a parallelogram is 54 cm^2 , and its base length is 9 cm,
then its corresponding height = cm. (54, 6, 9, 18)
- d The two points (3, -7) and (3, -3) lie on the same
(horizontal line, vertical line, inclined line, otherwise)
- e The image of the point (0, 5) by reflection on Y-axis is
[(5, 0), (0, -5), (5, -5), itself]
- f If $3 : 5 = 12 : 4x$, then $x =$ (20, 24, 5, 10)
- g $1 - \frac{3}{4} =$ % (25, 2.5, $\frac{1}{4}$, 0.25)
- h A factory produces 5,400 cans of soda in 9 hours, then the rate of production
= cans/hour. (6, 60, 600, 6,000)
- i $45 \div 0.9 =$ $\div 9$ (0.45, 450, 45, 4.5)



2 Answer each of the following:

- a A dinner bill is L.E. 600 if there's a 15% tax. Calculate the bill after adding the tax.

Answer:

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.....

- b A tank in the shape of a cube, its edge length is 10 cm. Find the area of one face and its surface area.

Answer:

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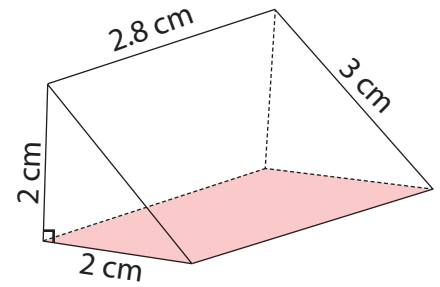
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- c Calculate the surface area of the opposite prism.

Answer:

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- d Sara drove her car at a speed of 96 km/hr. Calculate the speed in m/min.

Answer:

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.....

- e A factory produces 7,200 bottles of soda in 8 hours. What is the rate of production?

Answer:

.....

- f Ahmed has $\frac{5}{7}$ meters of pipe, and he wants to divide it into 15 pieces of equal length to make models of small robots. What is the length of each piece of pipe that he can use for each robot?

Answer:

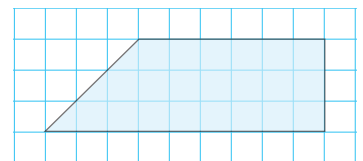
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- g Calculate the area of the opposite trapezium.

Answer:

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1 Choose the correct answer:

- a The volume of a cuboid whose dimensions are 6 cm, 4 cm and 1 cm equals cm^3 . (10 , 12 , 48 , 24)
- b The two points (3 , -7) and (-6 , -7) lie on the same
(horizontal line , vertical line , inclined line , otherwise)
- c A parallelogram which has a right angle is called a
(square , rectangle , rhombus , trapezium)
- d The ratio between the perimeter of a square and its side length =
(1 : 3 , 3 : 1 , 1 : 4 , 4 : 1)
- e = $\frac{4}{7} \times \frac{5}{4}$ ($\frac{7}{4} \div \frac{5}{4}$, $\frac{4}{7} \div \frac{4}{5}$, $\frac{7}{4} - \frac{5}{4}$, $\frac{1}{7} \times \frac{1}{5}$)
- f $5.2 \times 0.3 =$ (0.156 , 1.56 , 15.6 , 156)
- g 60% of = 360 (0.6 , 6 , 60 , 600)
- h 2.3 tons 2,300 kg (> , < , = , otherwise)
- i Which of the following lies in the 2nd quadrant? [(1 , -1) , (0 , -1) , (-1 , 1) , (1 , -1)]

2 Answer each of the following:

- a Ramy has 4 liters of juice, he divided them into small bottles of $\frac{2}{3}$ liter each,
how many bottles will he get?

Answer:

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- b Which of the following ratios are equivalent or not equivalent?

1 $\frac{18}{27}$, $\frac{20}{24}$

2 $\frac{9}{15}$, $\frac{15}{25}$

Answer:

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c Which is greater in area?

A triangle whose base length is 2.4 dm and its corresponding height is 5 cm,
or a triangle whose base length is 12 cm and its corresponding height is 8 cm.

Answer:

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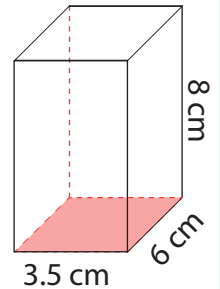
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d Find the volume of the opposite solid:

Answer:

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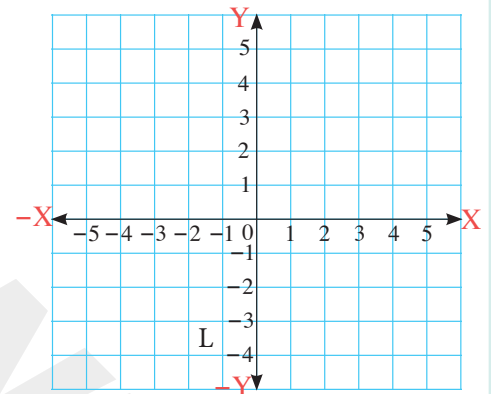
e Plot and join the points, then identify the shape:

L (-1 , -3) , M (3 , -3) , N (3 , 1) , O (-1 , 1)

Answer:

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f Find the area of the rhombus whose perimeter is 20 cm and its height is 3.4 cm.

Answer:

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g Find the image of the point (-4 , -1) by reflection across the X-axis, then find the distance between the point and the image.

Answer:

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1 Choose the correct answer:

- a A triangle with base length of 10 cm, and its corresponding height is 6 cm, then its area = cm^2 . (30 , 15 , 45 , 60)
- b The ratio between two numbers is 1 : 4 . If the first number became 5, then the second number will be (42 , 14 , 20 , 16)
- c Which point of the following can be a vertex of a right-angled triangle if the other vertices are (0 , 8) and (4 , 0)? [(0 , 1) , (0 , -1) , (0 , 0) , (1 , 1)]
- d In a restaurant, there's 10% added to each meal as a service. If the price of a meal is 240 L.E., then the price of the meal after adding the service is L.E. (248 , 264 , 24 , 258)
- e The image of the point (2 , -9) by reflection across Y-axis is [(2 , 9) , (-9 , 2) , (-2 , -9) , (-2 , 9)]
- f The distance between the points (-5,6) and (-5,2) = length units. (-5 , 4 , 8 , 0)
- g $\frac{3}{7} = \frac{15}{x}$, then $x =$ (3 , 21 , 15 , 35)
- h If we doubled one of the dimensions of a cuboid, then the ratio between the volume of the original cuboid and the new cuboid is (1 : 2 , 1 : 3 , 1 : 4 , 1 : 8)
- i If the area of a parallelogram is 98 cm^2 , and its base length is 7 cm, then its corresponding height = cm. (14 , 6 , 7 , 28)

2 Answer each of the following:

- a A rectangular prism has dimensions of 7 cm, 5 cm, and 3 cm. Find its surface area.

Answer:

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- b If you are at $(-1, 0)$, move 5 units left and 3 units downward. Where do you land?

Answer:

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- c A merchant sold 30 kilograms of bananas at a price of 17.5 pounds per kilogram. Calculate the price of the quantity of bananas.

Answer:

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.....

- d Find the value of: 30% of 850

Answer:

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- e An animal runs at a speed of 42 km/hr. Find its speed in meters per minute.

Answer:

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- f Find the values of y if $y < 0$, and the distance between $(-2, y)$ and $(-2, 5)$ is 7 units.

Answer:

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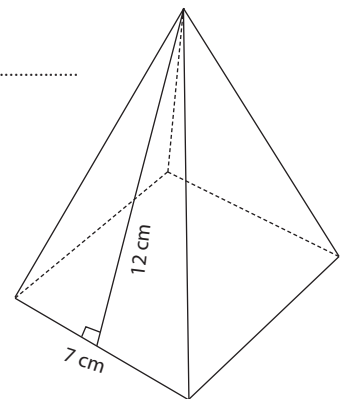
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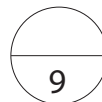
- g Find the surface area of the following square pyramid:

Answer:

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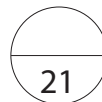




1 Choose the correct answer:

- a The reciprocal of 5 is (1, $\frac{1}{5}$, 15, 5)
- b If the water tap is leaking 420 liters of water in one hour, then the rate of leaking = L/min. (420, 7, 70, 42)
- c The ratio between the perimeter of an equilateral triangle and its side length = (1:4, 4:1, 1:3, 3:1)
- d 10% of = 27 (540, 270, 10, 2.7)
- e Which point of the following lies in the 4th quadrant
[(-2, 3), (-4, -3), (5, -1), (1, 1)]
- f A parallelogram which all sides are equal in length is called a
(square, rectangle, rhombus, trapezium)
- g The ratio between two numbers is 2 : 5. If the first number became 8, then the second number will be (8, 10, 15, 20)
- h $\frac{2}{3} \div \frac{1}{5} = \dots\dots\dots$ ($\frac{2}{3} \times 5$, $\frac{3}{2} \times 5$, $\frac{3}{4} \times \frac{1}{5}$, $\frac{7}{3} \times \frac{1}{5}$)
- i A cube with a surface area of 96 cm², then the edge length is cm. (4, 3, 27, 16)

2 Answer each of the following:



- a Complete the following ratio table:

1	2	.....	.....
3	.....	9	18

Answer:

1	2	3	6
3	6	9	18

- b** A boy walks 15 km in 2 hours and 30 minutes. Calculate his average speed in meters per minute.

Answer:

$$15 \text{ km} = 15,000 \text{ m}$$

$$2 \text{ hours and } 30 \text{ minutes} = 150 \text{ minutes}$$

$$\text{The average} = 15,000 \div 150 = 100 \text{ meters per minute}$$

- c** A parallelogram has an area of 84 cm^2 , and its base length is 12 cm. Calculate its corresponding height.

Answer:

$$\text{The corresponding height} = \frac{\text{the area}}{\text{base length}} = \frac{84}{12} = 7 \text{ cm}$$

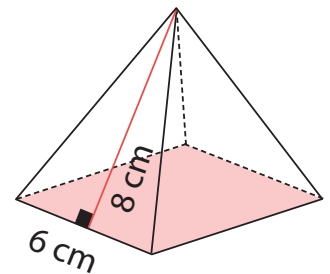
- d** Find the surface area of the opposite square pyramid.

Answer:

$$\begin{aligned} \blacktriangleright \text{The area of the base} &= \text{side length} \times \text{itself} \\ &= 6 \times 6 = 36 \text{ cm}^2 \end{aligned}$$

$$\begin{aligned} \blacktriangleright \text{The area of triangular faces} &= 4 \times \left(\frac{1}{2} \times 6 \times 8 \right) \\ &= 96 \text{ cm}^2 \end{aligned}$$

$$\blacktriangleright \text{The surface area of the square pyramid} = 36 + 96 = 132 \text{ cm}^2$$



- e** Write three ratios that equivalent to 5 : 30

Answer:

$$1 : 6, 10 : 60, 50 : 300$$

- f** Soha distributed 0.35 kg into some bags. If the mass of each bag is 0.01 kg, how many bags are needed?

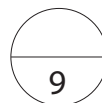
Answer:

$$\text{Number of bags} = 0.35 \div 0.01 = 35 \div 1 = 35 \text{ bags}$$

- g** An employee saves 2,700 L.E. monthly, if his monthly income is L.E. 6,000, find the percentage of what he saves monthly.

Answer:

$$\text{The percentage of what he saves monthly} = \frac{2,700}{6,000} \times 100\% = 45\%$$



1 Choose the correct answer:

- a If the volume of a cuboid is 280 cm^3 , and its base area is 70 cm^2 , then its height is cm. (40, 7, 4, 40)
- b Hany spends L.E. 120 in 4 days. What's the rate of what he spends per day? (L.E. 50 per day, L.E. 30 per day, L.E. 15 per day, L.E. 60 per day)
- c If $x : 15 = 1 : 3$, then $x + 3 =$ (5, 8, 9, 11)
- d If a car covers 240 km in 3 hours, then its speed is km/hr. (70, 80, 90, 110)
- e The distance between -6 and 5 on the number line is unit(s). (1, -1, 11, 5)
- f The area of a triangle = ($\frac{1}{2} \times b \times h$, $b \times h$, $W \times L$, $\frac{1}{4} b \times h$)
- g 35% of 160 = (56, 5.6, 0.56, 560)
- h A carpenter needs 40 m^2 to make 10 tables, then the rate of used wood = $\text{m}^2 / \text{table}$ (2, 3, 4, 300)
- i Any number multiplied by its reciprocal equals (0, 1, the same number, twice the number)

2 Answer each of the following:



- a Which is greater in area: a square whose side length is 6 cm or a rectangle with dimensions of 9 cm and 3 cm?

Answer:

- The area of the square = side length \times itself
 $= 6 \times 6 = 36 \text{ cm}^2$
- The area of the rectangle = length \times width
 $= 9 \times 3 = 27 \text{ cm}^2$
- The area of the square is greater.

- b If a speed of a car is 90 km per hour, what is the speed in cm per sec?

Answer:

$$\text{The speed} = \frac{90 \text{ km}}{1 \text{ hour}} \times \frac{100,000 \text{ cm}}{1 \text{ km}} \times \frac{1 \text{ hour}}{3,600 \text{ sec.}} = 2,500 \text{ cm per sec.}$$

- c The volume of a cuboid is 810 cm^3 , and its height is 10 cm. Find its base area.

Answer:

$$\text{Base area} = \frac{\text{Volume}}{\text{Height}} = \frac{810}{10} = 81 \text{ cm}^2$$

- d If the ratio between number of boys and girls in a class is 4 : 5 and the number of girls is 20 girls, find the number of boys.

Answer:

Boys : Girls

4 : 5

? : 20

$$\text{The number of boys} = \frac{4 \times 20}{5} = 16 \text{ boys}$$

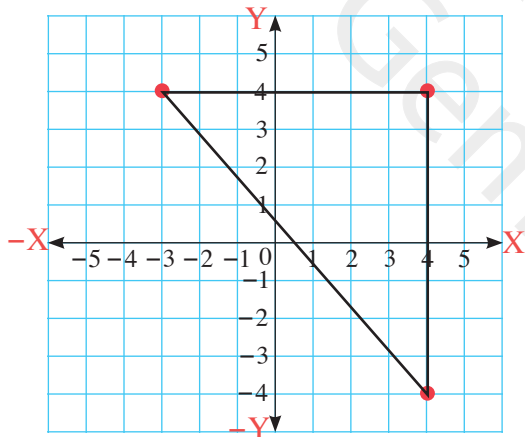
- e Ali bought a car for L.E. 240,000, he paid 30% of its price. How much money did he pay?

Answer:

$$\text{What he paid} = \frac{30}{100} \times 240,000 = \text{L.E. } 72,000$$

- f Use the coordinate plane to plot the points $(-3, 4)$, $(4, 4)$ and $(4, -4)$ to draw a triangle, then write the type of the triangle according to the measure of its angles.

Answer:



Right-angled triangle

- g According to the opposite shape:

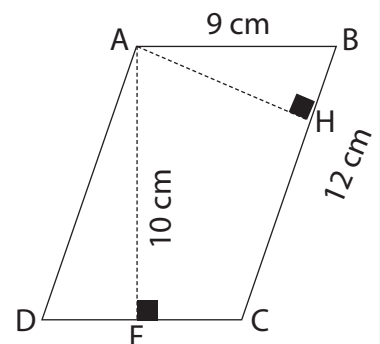
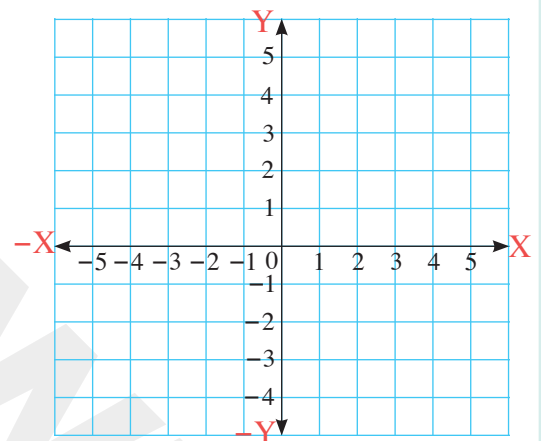
Find the length of \overline{AH} .

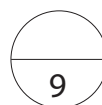
Answer:

The area of the parallelogram =

$$\text{Base length} \times \text{corresponding height} = 9 \times 10 = 90 \text{ cm}^2$$

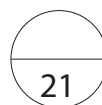
$$\text{The length of } \overline{AH} = \frac{90}{12} = 7.5 \text{ cm}$$





1 Choose the correct answer:

- a The number of heights of a right-angled triangle is (0, 1, 2, **3**)
- b The formula for the area of one face of a cube is ($6S^2$, $4S^2$, $6S$, **S^2**)
- c The area of a parallelogram is 54 cm^2 , and its base length is 9 cm, then its corresponding height = cm. (54, **6**, 9, 18)
- d The two points (3, -7) and (3, -3) lie on the same (horizontal line, **vertical line**, inclined line, otherwise)
- e The image of the point (0, 5) by reflection on Y-axis is [$(5, 0)$, $(0, -5)$, $(5, -5)$, **itself**]
- f If $3 : 5 = 12 : 4x$, then $x =$ (20, 24, **5**, 10)
- g $1 - \frac{3}{4} =$ % (**25**, 2.5, $\frac{1}{4}$, 0.25)
- h A factory produces 5,400 cans of soda in 9 hours, then the rate of production = cans/hour. (6, 60, **600**, 6,000)
- i $45 \div 0.9 =$ $\div 9$ (0.45, **450**, 45, 4.5)



2 Answer each of the following:

- a A dinner bill is L.E. 600 if there's a 15% tax. Calculate the bill after adding the tax.

Answer:

$$\text{The tax} = \frac{15}{100} \times 600 = \text{L.E. } 90$$

$$\text{The bill after adding the tax} = 600 + 90 = \text{L.E. } 690$$

- b A tank in the shape of a cube, its edge length is 10 cm. Find the area of one face and its surface area.

Answer:

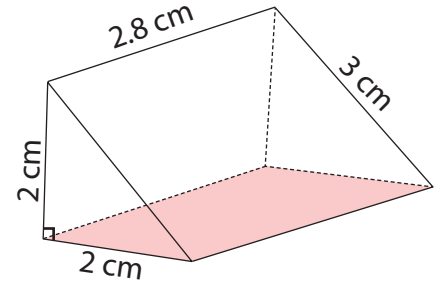
$$\text{The area of one face} = S \times S = 10 \times 10 = 100 \text{ cm}^2$$

$$\text{The surface area} = 6 \times S^2 = 6 \times (100) = 600 \text{ cm}^2$$

- c Calculate the surface area of the opposite prism.

Answer:

- ▶ The area of 2 triangular bases = $2 \times \frac{1}{2} \times 2 \times 2 = 4 \text{ cm}^2$
- ▶ The area of 1st rectangle = $2.8 \times 3 = 8.4 \text{ cm}^2$
- ▶ The area of 2nd rectangle = $2.8 \times 2 = 5.6 \text{ cm}^2$
- ▶ The area of 3rd rectangle = $2.8 \times 2 = 5.6 \text{ cm}^2$
- ▶ The surface area of a prism = $4 + 8.4 + 5.6 + 5.6 = 23.6 \text{ cm}^2$



- d Sara drove her car at a speed of 96 km/hr. Calculate the speed in m/min.

Answer:

$$\text{The speed} = \frac{96 \text{ km}}{1 \text{ hour}} \times \frac{1,000 \text{ m}}{1 \text{ km}} \times \frac{1 \text{ hour}}{60 \text{ min.}} = 1,600 \text{ m/min.}$$

- e A factory produces 7,200 bottles of soda in 8 hours. What is the rate of production?

Answer:

$$\text{The rate} = \frac{7,200}{8} = 900 \text{ bottles/hour}$$

- f Ahmed has $\frac{5}{7}$ meters of pipe, and he wants to divide it into 15 pieces of equal length to make models of small robots. What is the length of each piece of pipe that he can use for each robot?

Answer:

$$\text{The length of each piece} = \frac{5}{7} \div 15 = \frac{5}{7} \times \frac{1}{15} = \frac{1}{21} \text{ m}$$

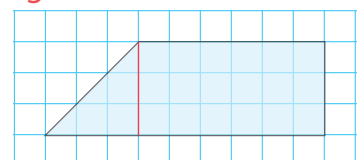
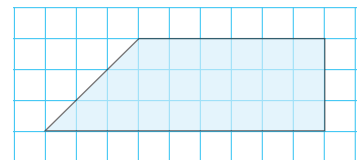
- g Calculate the area of the opposite trapezium.

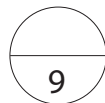
Answer:

$$\begin{aligned} \text{▶ The area of the rectangle} &= \text{length} \times \text{width} \\ &= 6 \times 3 = 18 \text{ square units} \end{aligned}$$

$$\begin{aligned} \text{▶ The area of the triangle} &= \frac{1}{2} \times \text{base length} \times \text{corresponding height} \\ &= \frac{1}{2} \times 3 \times 3 = 4.5 \text{ square units} \end{aligned}$$

$$\text{▶ The area of the trapezium} = 18 + 4.5 = 22.5 \text{ square units}$$

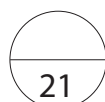




1 Choose the correct answer:

- a The volume of a cuboid whose dimensions are 6 cm, 4 cm and 1 cm equals cm^3 . (10, 12, 48, **24**)
- b The two points (3, -7) and (-6, -7) lie on the same
(**horizontal line** , vertical line , inclined line , otherwise)
- c A parallelogram which has a right angle is called a
(square , **rectangle** , rhombus , trapezium)
- d The ratio between the perimeter of a square and its side length =
(1 : 3 , 3 : 1 , 1 : 4 , **4 : 1**)
- e = $\frac{4}{7} \times \frac{5}{4}$ ($\frac{7}{4} \div \frac{5}{4}$, **$\frac{4}{7} \div \frac{4}{5}$** , $\frac{7}{4} - \frac{5}{4}$, $\frac{1}{7} \times \frac{1}{5}$)
- f $5.2 \times 0.3 =$ (0.156 , **1.56** , 15.6 , 156)
- g 60% of = 360 (0.6 , 6 , 60 , **600**)
- h 2.3 tons 2,300 kg (> , < , = , otherwise)
- i Which of the following lies in the 2nd quadrant? [(1, -1) , (0, -1) , **(-1, 1)** , (1, -1)]

2 Answer each of the following:



- a Ramy has 4 liters of juice, he divided them into small bottles of $\frac{2}{3}$ liter each,
how many bottles will he get?

Answer:

$$\text{The number of bottles} = 4 \div \frac{2}{3} = 4 \times \frac{3}{2} = 6 \text{ bottles}$$

- b Which of the following ratios are equivalent or not equivalent?

1 $\frac{18}{27}$, $\frac{20}{24}$

2 $\frac{9}{15}$, $\frac{15}{25}$

Answer:

1 $18 \times 24 = 432$
 $27 \times 20 = 540$
Not equivalent

2 $9 \times 25 = 225$
 $15 \times 15 = 225$
Equivalent

c Which is greater in area?

A triangle whose base length is 2.4 dm and its corresponding height is 5 cm, or a triangle whose base length is 12 cm and its corresponding height is 8 cm.

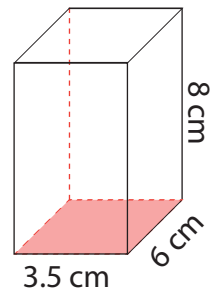
Answer:

- ▶ The area of the first triangle $= \frac{1}{2} \times \text{base length} \times \text{corresponding height}$
 $= \frac{1}{2} \times 24 \times 5 = 60 \text{ cm}^2$
- ▶ The area of the second triangle $= \frac{1}{2} \times \text{base length} \times \text{corresponding height}$
 $= \frac{1}{2} \times 12 \times 8 = 48 \text{ cm}^2$
- ▶ The first triangle has the greater area.

d Find the volume of the opposite solid:

Answer:

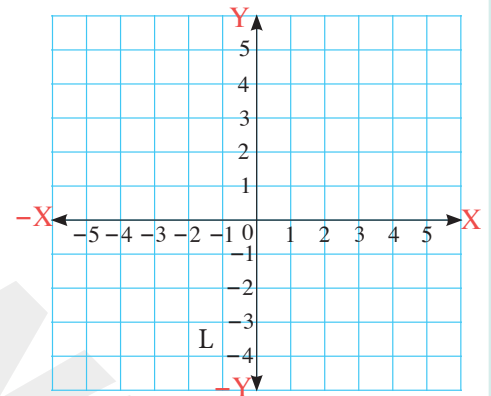
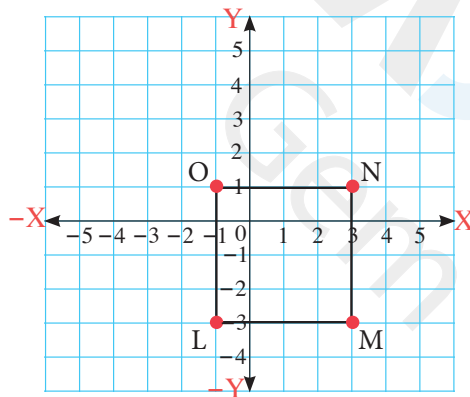
$$\begin{aligned}\text{The volume} &= \text{length} \times \text{width} \times \text{height} \\ &= 6 \times 3.5 \times 8 = 168 \text{ cm}^3\end{aligned}$$



e Plot and join the points, then identify the shape:

L (-1, -3), M (3, -3), N (3, 1), O (-1, 1)

Answer:



The shape is a square.

f Find the area of the rhombus whose perimeter is 20 cm and its height is 3.4 cm.

Answer:

$$\text{The side length of the rhombus} = 20 \div 4 = 5 \text{ cm}$$

$$\text{The area} = 5 \times 3.4 = 17 \text{ cm}^2$$

g Find the image of the point (-4, -1) by reflection across the X-axis, then find the distance between the point and the image.

Answer:

The image of the point (-4, -1) is (-4, 1).

The distance between them $= 1 + 1 = 2$ units.

1 Choose the correct answer:

- a A triangle with base length of 10 cm, and its corresponding height is 6 cm, then its area = cm^2 . (30 , 15 , 45 , 60)
- b The ratio between two numbers is 1 : 4 . If the first number became 5, then the second number will be (42 , 14 , 20 , 16)
- c Which point of the following can be a vertex of a right-angled triangle if the other vertices are (0 , 8) and (4 , 0)? [(0 , 1) , (0 , -1) , (0 , 0) , (1 , 1)]
- d In a restaurant, there's 10% added to each meal as a service. If the price of a meal is 240 L.E., then the price of the meal after adding the service is L.E. (248 , 264 , 24 , 258)
- e The image of the point (2 , -9) by reflection across Y-axis is [(2 , 9) , (-9 , 2) , (-2 , -9) , (-2 , 9)]
- f The distance between the points (-5,6) and (-5,2) = length units. (-5 , 4 , 8 , 0)
- g $\frac{3}{7} = \frac{15}{x}$, then $x =$ (3 , 21 , 15 , 35)
- h If we doubled one of the dimensions of a cuboid, then the ratio between the volume of the original cuboid and the new cuboid is (1 : 2 , 1 : 3 , 1 : 4 , 1 : 8)
- i If the area of a parallelogram is 98 cm^2 , and its base length is 7 cm, then its corresponding height = cm. (14 , 6 , 7 , 28)

2 Answer each of the following:

- a A rectangular prism has dimensions of 7 cm, 5 cm, and 3 cm. Find its surface area.

Answer:

$$\begin{aligned}
 \text{The surface area} &= (2 \times L \times W) + (2 \times L \times H) + (2 \times W \times H) \\
 &= (2 \times 7 \times 5) + (2 \times 7 \times 3) + (2 \times 5 \times 3) \\
 &= 70 + 42 + 30 = 142 \text{ cm}^2
 \end{aligned}$$

- b** If you are at $(-1, 0)$, move 5 units left and 3 units downward. **Where do you land?**

Answer:

At point $(-6, -3)$

- c** A merchant sold 30 kilograms of bananas at a price of 17.5 pounds per kilogram.
Calculate the price of the quantity of bananas.

Answer:

The price of the quantity of bananas $= 30 \times 17.5 = 525$ pounds

- d** Find the value of: 30% of 850

Answer:

$$30\% \text{ of } 850 = \frac{30}{100} \times 850 = 255$$

- e** An animal runs at a speed of 42 km/hr. **Find its speed in meters per minute.**

Answer:

$$\text{The speed} = \frac{42 \text{ km}}{1 \text{ hour}} \times \frac{1,000 \text{ m}}{1 \text{ km}} \times \frac{1 \text{ hour}}{60 \text{ min.}} = 700 \text{ meters per minute}$$

- f** Find the values of y if $y < 0$, and the distance between $(-2, y)$ and $(-2, 5)$ is 7 units.

Answer:

The possible values of y are -2 and 12

but $y < 0$, then the correct answer is -2

- g** Find the surface area of the following square pyramid:

Answer:

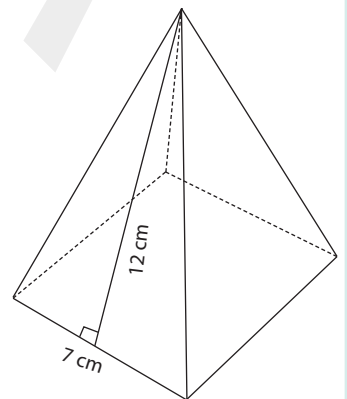
► The area of the base = side length \times itself

$$= 7 \times 7 = 49 \text{ cm}^2$$

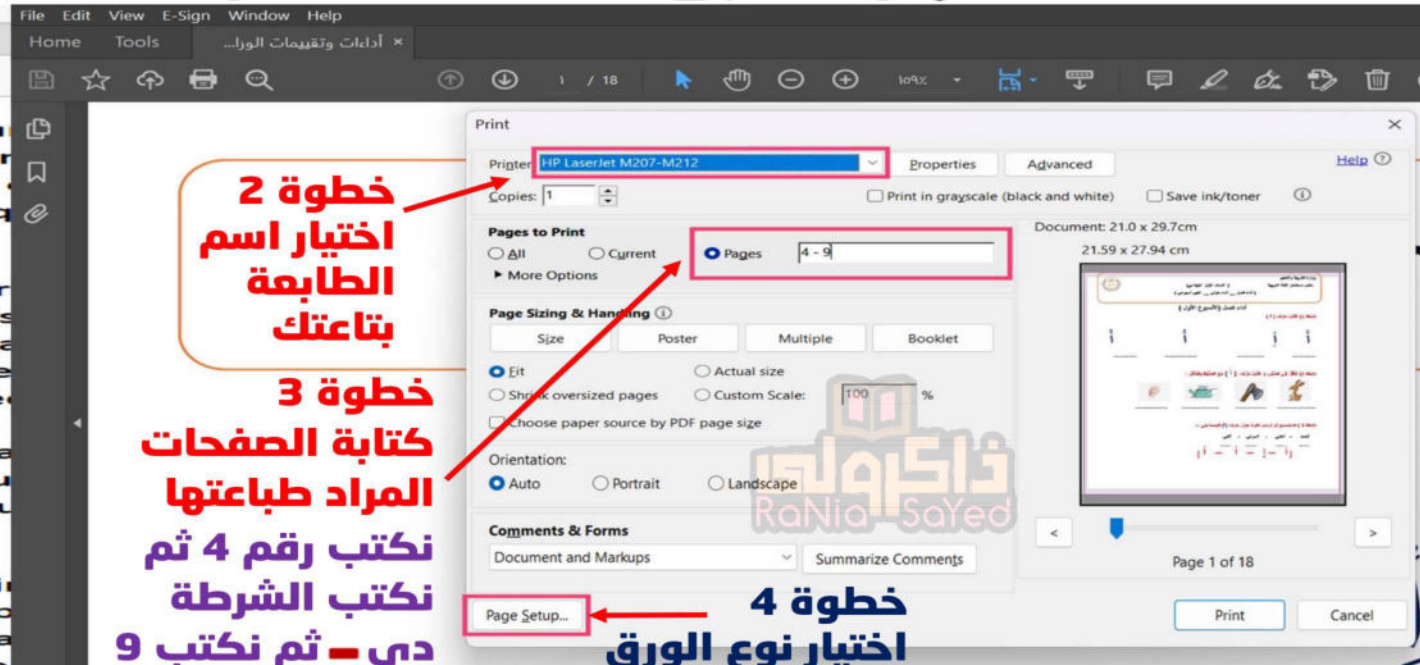
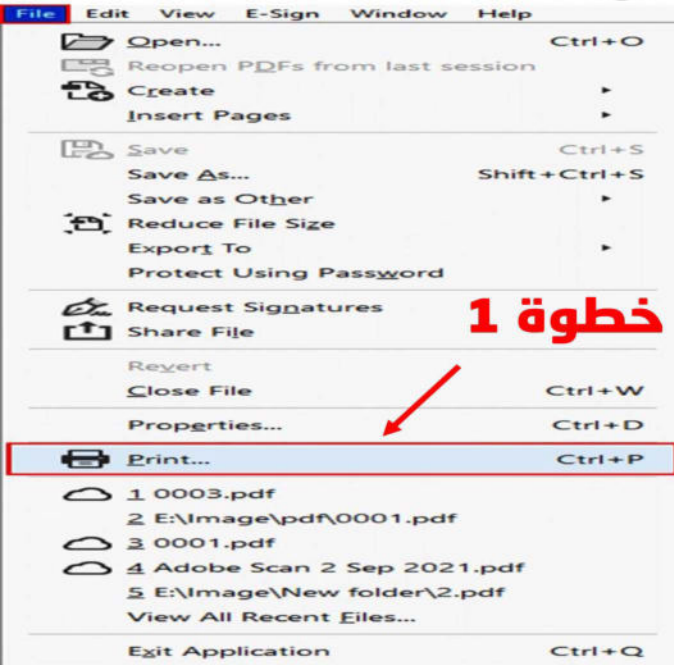
► The area of the triangular faces $= 4 \times \left(\frac{1}{2} \times 7 \times 12 \right)$

$$= 168 \text{ cm}^2$$

► The surface area of the square pyramid $= 49 + 168 = 217 \text{ cm}^2$



كيفية طباعة صفحات معينة من ملف معين مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9



حمل الآن

مجانا وحصريا

امتحانات رقم (2)

الترم الثاني

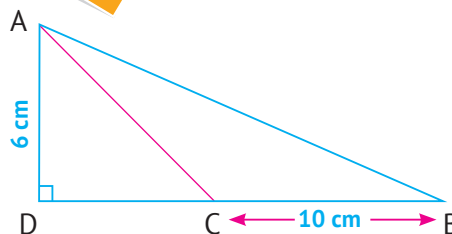


Model

1

Q1: Choose the correct answer:

- 1 The area of the opposite triangle ABC is cm^2 . (30 or 60 or 16 or 8)

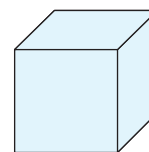


- 2 30% of 90 kg = kg. (27 or 9 or 27,000 or 18)

- 3 Which of the following ratios is equivalent to 5 : 6?
(20 : 24 or 24 : 20 or 6 : 5 or 24 : 12)

- 4 The distance between the two points (2 , 6) and (2 , -6) is
length units. (4 or 12 or 5 or -12)

- 5 If the length of each edge in the opposite cube is 3cm, the surface area of 4 faces only is
(54cm or 36cm² or 36cm or 54cm²)



- 6 50 % of 80 80% of 50 ($>$ or $<$ or $=$ or otherwise)

- 7 $\frac{25}{9} \div \frac{25}{5} = \dots\dots\dots$. ($\frac{5}{9}$ or $\frac{9}{5}$ or $\frac{225}{45}$ or 1)

- 8 Which of the following is a unit rate?
(140LE per week or 90km p-er 60 minutes or 25LE for each 3kg
or 5km per 2hours)

- 9 $0.35 \times 4.5 = 3.5 \times \dots\dots\dots$. (45 or 4.5 or 0.45 or 0.045)

Q2: Answer the following:

- 1 Ali bought a flat for 480,000 LE. He paid 50% of its price. How much money did he pay?

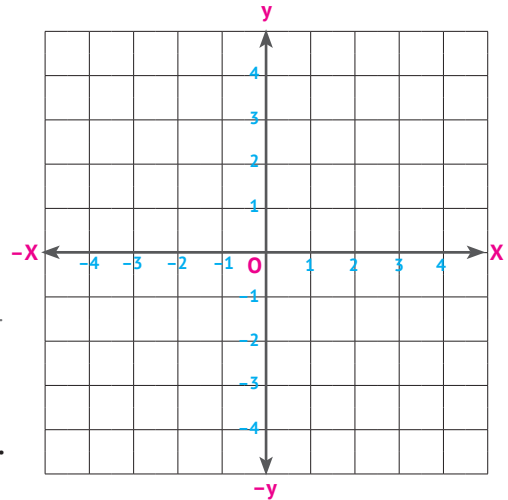
2 Graph the points:

A (-4 , 3), B (2 , 3), and C (-4 , -2).

A What is the type of the triangle ABC according to its angles?

.....

B The area of the triangle ABC = square angles.



3 If 184.5LE is distributed among some pupils, and each pupil receives 20.5LE. How many pupils are there?

.....

4 Ahmed drinks 10,000mL of water in a week. How many liters of water is that?

5 30% of the students in a class are wearing black. There are 60 students in the class. How many students are wearing black?

.....

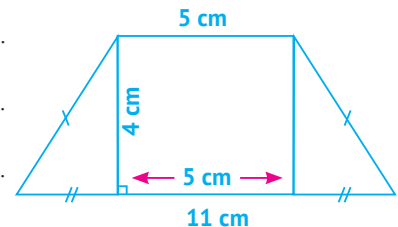
6 The area of the opposite trapezium is

.....

.....

.....

.....



7 Find the result:

A $0.45 \times 0.1 =$

B $4 \frac{1}{5} \times 2 \frac{1}{2} =$

C $3 \div \frac{2}{4} =$

Model

2

Q1: Choose the correct answer:

① $3 \div \frac{1}{4} = \dots\dots\dots$. ($\frac{3}{4}$ or $\frac{4}{3}$ or $\frac{1}{12}$ or 12)

② $1 - 25\% = \dots\dots\dots$. (75 or 7.5 or 0.75 or 0.24)

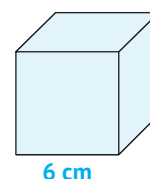
③ $48\text{km} = \dots\dots\dots \text{m}$ (48 or 480 or 4,800 or 48,000)

④ $3.4 \times 0.2 = \dots\dots\dots$. (6.8 or 68 or 0.68 or 0.068)

⑤ The area of the triangle= $\dots\dots\dots$. ($\frac{1}{2} bh$ or $b \times h$ or $\frac{1}{2} hh$ or $\frac{1}{2} bh$)

⑥ The surface area of the opposite cube= $\dots\dots\dots \text{cm}^2$.

(36 or 163 or 216 or 126.5)



⑦ If a square has a side length of 2.5cm, then its area= $\dots\dots\dots \text{cm}^2$.

(0.625 or 6.25 or 62.5 or 626)

⑧ $40\% + \dots\dots\dots + 30\% = 100\%$ (25% or 30% or 35% or 70%)

⑨ The point $(-2, -3)$ lies in the $\dots\dots\dots$ quadrant.

(first or second or third or fourth)

Q2: Answer the following:

① Ali has 6 liters of milk and needs to divide it into bottles, each holding $\frac{3}{4}$ of liter. How many bottles will he need?

.....

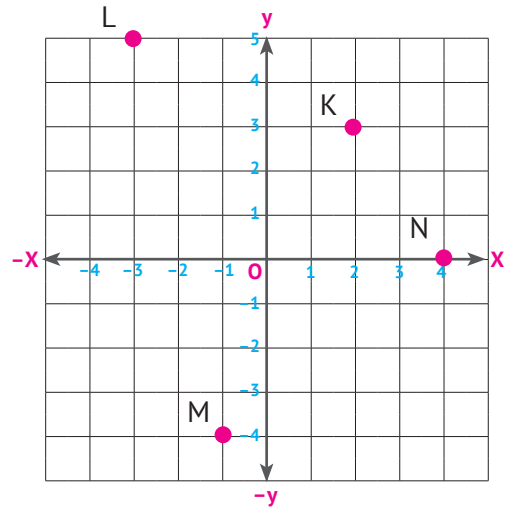
.....

- 2 Omar saves 600 LE monthly. If his monthly income is 3,000LE. Find the percentage of what he saves monthly.

- 3 From the opposite coordinate plane:
record the coordinates of each point.

L (..... ,), K (..... ,)

M (..... ,), N (..... ,)



- 4 Find the area of the opposite parallelogram.



- 5 A cuboid with dimensions 7cm, 5cm, and 2cm. Find its volume.

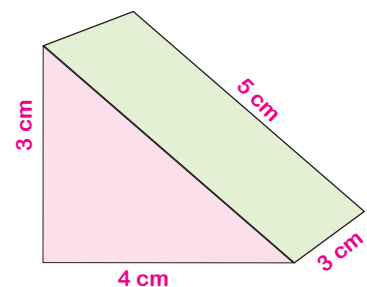
- 6 Complete the following:

A $240 : 300 = \text{.....} : \text{.....}$. (In the simplest form)

B $\frac{2}{7} \div \frac{1}{3} = \text{.....}$.

C $3.6 \div 0.12 = \text{.....}$.

- 7 Find the area of the opposit prism.



Model

3

Q1: Choose the correct answer:

① $12 : 20 = \dots\dots\dots$. (In the simplest form) ($3 : 2$ or $5 : 7$ or $5 : 3$ or $3 : 5$)

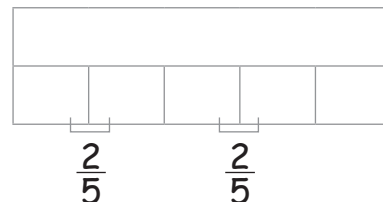
② 20% of 70 pounds = $\dots\dots\dots$ pounds. (7 or 14 or 21 or 42)

③ The area of a triangle with a base length is 8cm and a corresponding height of 6 cm is $\dots\dots\dots$ cm^2 . (12 or 24 or 48 or 42)

④ The image of the point $(2, -4)$ by reflection across the x-axis is $\dots\dots\dots$.
 $((2, 4)$ or $(-2, -4)$ or $(2, -4)$ or $(-2, 4))$

⑤ The volume of the cuboid of the dimensions 2cm, 9cm, and 10cm is $\dots\dots\dots$ cm^3 . (290 or 180 or 90 or 18)

⑥ The quotient of the opposite tape diagram is $\dots\dots\dots$. (2 or $\frac{2}{5}$ or $\frac{4}{5}$ or $\frac{5}{2}$)



⑦ The surface area of the cube = $\dots\dots\dots$.
 $(S \times S$ or $S + S$ or $6 \times S \times S$ or $6 + S \times S)$

⑧ From the opposite equivalent ratios, $x + y = \dots\dots\dots$.

(14 or 20 or 26 or 35)

3	12	x
5	y	10

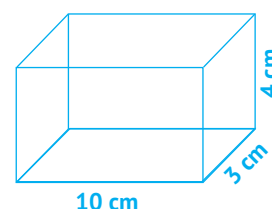
⑨ The $\dots\dots\dots$ is a ratio of the second term to 100.

(rate or ratio or unit rate or percentage)

Q2: Answer the following:

① Find the surface area of the opposite cuboid.

.....



- ② If the ratio of boys to girls in a class is 4 : 5 and there are 20 boys. What is the total number of pupils in the class?

.....

.....

- ③ In a mathematics exam, Youssef scored 38 out of 40 marks. What is the percentage of marks he obtained?

.....

- ④ Graph the points:

A (4 , 3), B (4 , -3), C (2 , -3), and D (2 , 3).

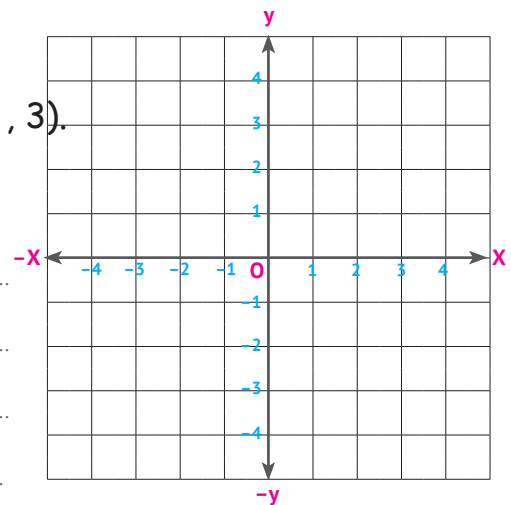
What is the name of the figure ABCD?

.....

.....

.....

.....



- ⑤ Find: the area of a parallelogram with a base length of 10 cm and a corresponding height of 6cm.

.....

- ⑥ Find: the surface area of a square-based pyramid with a base length of 8cm and a height of face 5cm.

.....

.....

- ⑦ Complete the following:

A If $B\% + 40\% + 40\% = 1$, then the value of B is

B If 3 : 5 is equivalent to x : 15, then x=

C If a car covers 240 km in 3 hours, then its speed is km/hr.

Model

4

Q1: Choose the correct answer:

- 1 In the, we compare two quantities in different units.
(ratio or rate or percentage or area)
- 2 The horizontal axis in the coordinate plane is called
(x-axis or y-axis or origin or ordered pair)
- 3 is a ratio where the second term is 100 and is represented by the symbol (%). (Unit rate or Conversion factor or Rate or Percentage)
- 4 The reciprocal of $\frac{1}{3}$ is (0.6 or $\frac{1}{3}$ or 3 or 0.3)
- 5 The unit rate of covering 20 meters per minute is
(20 m per 1 min or 1 m per 20 min or 60 m per 3 min or 3 m per 60 min)
- 6 The distance between the two points A (2 , 3) and B (7 , 3)
is units. (3 or 4 or 5 or 9)
- 7 If a box contains 4 blue marbles and 12 red marbles, then the ratio between the number of red marbles to the total number of marbles is (1 : 3 or 3 : 4 or 3 : 1 or 1 : 4)
- 8 The conversion factor which is used to convert from kilogram (kg) to gram(s) is
($\frac{1 \text{ kg}}{1,000 \text{ g}}$ or $\frac{1 \text{ kg}}{1,000 \text{ g}}$ or $\frac{1,000 \text{ g}}{1 \text{ kg}}$ or $\frac{100 \text{ g}}{1 \text{ kg}}$)
- 9 The reflected image of the point (5 , -9) in the y-axis is
((-5 , -9) or (5 , 9) or (-5 , 9) or (5 , -9))

Q2: Answer the following:

- 1 Nada bought 2.5 kg of apples at 32LE per kilogram. How much did Nada pay in total?

.....

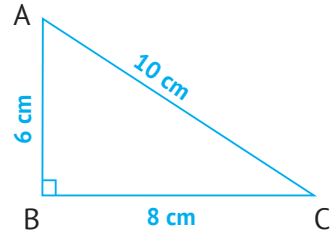
- 2 Omar had a lunch meal at a restaurant. The price of the meal was 440LE, with an additional 30% LE for service and tax. How much did Omar pay in total?

.....

- 3 Find the area of the opposite triangle.

.....

.....



- 4 In the coordinate plane:

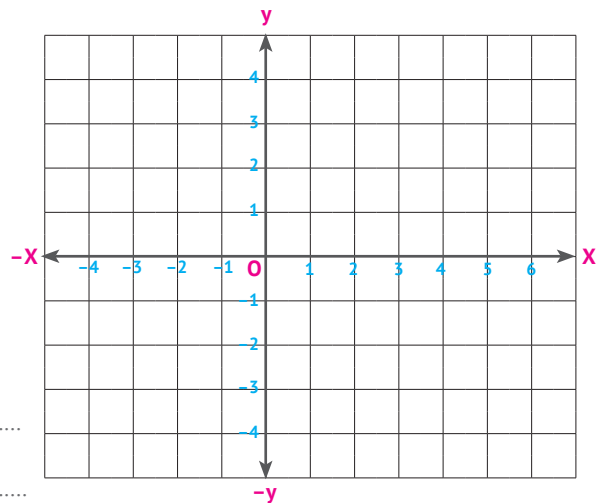
A Plot the points

A (5 , 3), B (1 , 3), C (1 , -1),
and D (5 , -1).

B Write the name of the figure.

.....

.....



- 5 If the price of the set of notebooks before discount is 180LE. Find the price after a 10% discount.

.....

- 6 The area of a parallelogram with a base length of 8cm and a corresponding height of 6cm.

.....

- 7 Complete the following:

A $2.5 \div 0.05 =$

B $\frac{1}{7}$ of the number 28=

C If $\frac{21}{a} = \frac{7}{4}$, then a=

Model

5

Q1: Choose the correct answer:

- 1 $12 : 20 = \dots\dots\dots$. (In the simplest form) ($3 : 2$ or $5 : 7$ or $5 : 3$ or $3 : 5$)
- 2 The reciprocal of $\frac{3}{5}$ is $\dots\dots\dots$. (3 or $-\frac{5}{23}$ or $\frac{5}{3}$ or $-\frac{3}{5}$)
- 3 The height of a rhombus is 5cm, and its area is 35cm^2 , then its side length is $\dots\dots\dots$ cm. (7 or 14 or 28 or 175)
- 4 $1.25 \div 2.5 = \dots\dots\dots \div 25$ (12.5 or 1.25 or 0.125 or 125)
- 5 The area of a triangle with a base length of 8cm and a corresponding height of 6cm is $\dots\dots\dots \text{cm}^2$. (12 or 24 or 48 or 42)
- 6 20% of 90 pounds = $\dots\dots\dots$ pounds. (9 or 18 or 27 or 180)
- 7 The image of the point $(-4, 4)$ by reflection on x-axis is $\dots\dots\dots$.
($(-4, 4)$ or $(4, 4)$ or $(-4, -4)$ or $(-3, 0)$)
- 8 $9 \text{ km} \times \frac{\dots\dots\dots}{\dots\dots\dots} = 9,000 \text{ m}$ ($\frac{200 \text{ m}}{1 \text{ km}}$ or $\frac{100 \text{ g}}{1 \text{ kg}}$ or $\frac{1,000 \text{ m}}{1 \text{ km}}$ or $\frac{1 \text{ km}}{1,000 \text{ g}}$)
- 9 The distance between the two points $(-1, 2)$ and $(6, 2)$ equals $\dots\dots\dots$ units. (0 or 5 or 7 or 16)

Second: Answer the following:

- 1 The ratio of the number of lions to the number of cats is 2:7, and the total number of lions and cats is 45. How many lions and how many cats are there?

.....

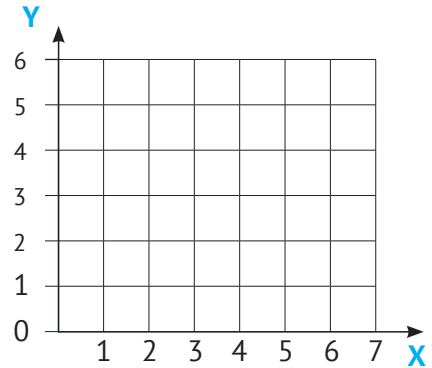
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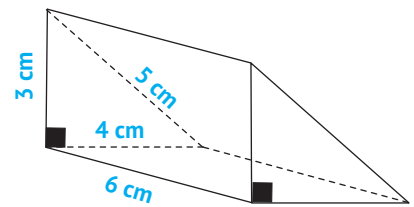
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- ② Find the area of a parallelogram with a base of 10cm and a corresponding height of 6cm.
- ③ If a school has 700 pupils and 10% of them were absent one day. How many pupils were present that day?
-
-

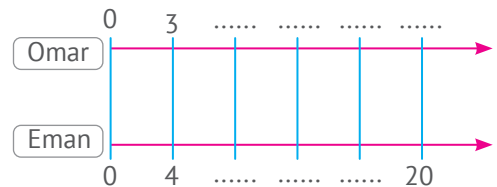
- ④ Locate the following points on the coordinate plane, then connect the points in order, **A** (1 , 1), **B** (1 , 5), **C** (4 , 5), and **D** (4 , 1) Write the name of the shape.
-



- ⑤ Find the surface area of the opposite triangular pyramid.
-
-
-
-



- ⑥ From the opposite double number line, the ratio between Omar's savings and Eman's savings is 3 : 4. If Eman saved 20 LE, then Omar saved LE.



- ⑦ If 10% of an amount of money is 50LE. Find the total amount.
-

Model

6

Q1: Choose the correct answer:

- 1 The reciprocal of $\frac{1}{2}$ is (1 or 12 or $\frac{1}{2}$ or 2)
- 2 The ratio between the perimeter of a square and its side length is (4 : 1 or 1 : 3 or 3 : 1 or 1 : 4)
- 3 The surface area of a cube whose side length is 3cm is (54 cm or 54 cm² or 54 cm³ or 45 cm²)
- 4 The unit rate of $\frac{120\text{km}}{5\text{min}}$ is km per min. (4 or 48 or 24 or 15)
- 5 The is a ratio that compares a quantity to one unit of another quantity. (unit rate or rate or ratio or place value)
- 6 $\frac{7}{10} =$ %. (7 or 10 or 70 or 17)
- 7 $5.6 \div 0.56 =$ (10 or 2 or 15 or 20)
- 8 The number of heights of a right-angled triangle is (1 or 2 or 3 or 0)
- 9 The volume of a cuboid whose base area is 25cm² and its height is 7cm is cm³. (175 or 32 or 725 or 170)

Q2: Answer the following:

- 1 Two machines produce cloth: the first machine produces 12 meters in 4 hours, and the second machine produces 18 meters in 9 hours. Find the production rate for each machine.
.....
.....

- 2 How much is $\frac{1}{4}$ the number 20?
.....

- 3 A shoe that costs EGP 1,400 has a 20% discount. Calculate the value of the amount saved and the price of the shoe after the discount?

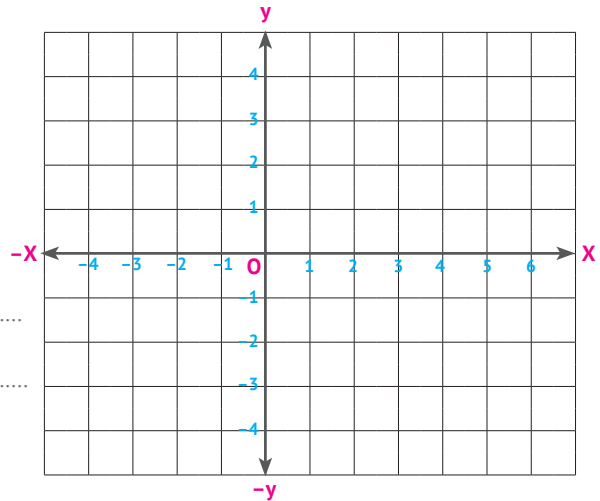
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.....

- 4 Graph and connect the given points: A (2 , 2), B (6 , 2), C (6 , -2), D (2 , -2) (in order)
Write the name of the polygon.

.....

.....



- 5 In a classroom, if the ratio of the number of boys to the number of girls is 5 to 4 and there are 25 boys in the class, how many girls are in the class?

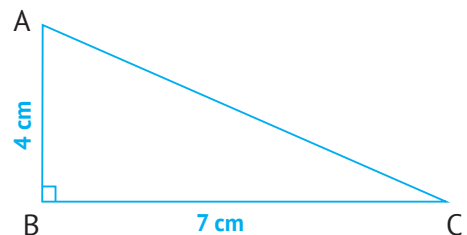
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.....

- 6 Find the area of $\triangle ABC$.

.....

.....



- 7 0.6 km per minute= km/hour.

Model

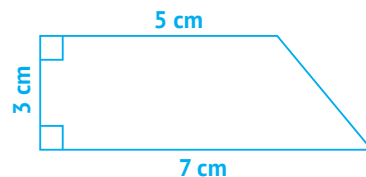
7

Q1: Choose the correct answer:

- 1 All the following points lie on the x-axis, except
((1 , 0) or (2 , 0) or (0 , 2) or (0 , 0))
 - 2 If the ratio of what Ahmed has to what Amany has is 3 : 5, and Amany has 50 LE, then Ahmed has LE. (30 or 80 or 20 or 10)
 - 3 $\frac{4}{5} =$ (Percentage form) (80% or 40% or 36% or 45%)
 - 4 $0.144 \div 1.2 =$ (12 or 0.12 or 1.2 or 0.012)
 - 5 The value of the unknown is
(40 or 480 or 300 or 120)
- | | | |
|--------|------|---------|
| Whole | Part | Percent |
| Unkown | 20 | 50% |
- 6 The area of the rhombus of side length 7cm and height 4cm is cm^2 . (11 or 22 or 28 or 56)
 - 7 60 meter per hour= meter per min. (3,600 or 120 or 360 or 1)
 - 8 The volume of the cuboid whose dimensions are 3m , 4m , and 10m is
..... m^3 . (54 or 108 or 120 or 150)
 - 9 $2 \div \frac{1}{5} =$ (5 or 10 or $\frac{2}{5}$ or $\frac{5}{2}$)

Q2: Answer the following:

- 1 Ali bought 5kg of apples for 150LE, then the price of 10kg of apples is LE.
- 2 The area of the opposite trapezium is cm^2 .



- 3 A car travels a distance of 120 kilometers in two hours, express this using the word average?

.....

- 4 Assuming you stored 20 boxes of goods, which is 80% of the boxes. What is the total number of boxes?

.....

.....

- 5 Suppose you have $\frac{8}{10}$ kg of clay, and you want to cut it into equal pieces of $\frac{1}{5}$ kg each, how many pieces can you make?

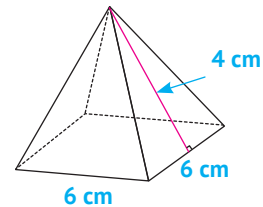
.....

.....

- 6 The area of the base in the corresponding pyramid shape is equal to cm^2 .

.....

.....



- 7 A store offers a 10% discount on a shirt originally priced at 500LE, then its price after the discount is

Model

8

Q1: Choose the correct answer:

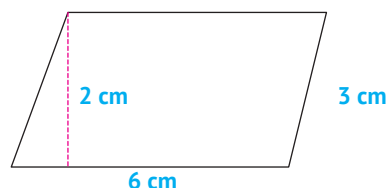
1 15 m/hr= cm/min. (25 or 250 or 500 or 60)

2 $0.04 \times 0.2 =$ (0.08 or 0.008 or 0.8 or 0.006)

3 The image of $(-2, 5)$ by reflection on the y-axis is
 ((5, -2) or (-2, -5) or (2, 5) or (2, -5))

4 The area of the opposite parallelogram
 is cm^2 .

(12 or 18 or 6 or 9)



5 If a cube with an edge of 5cm, then its volume is cm^3 .
 (125 or 25 or 10 or 15)

6 The number of heights of the obtuse-angled triangle is
 (1 or 2 or 3 or 5)

7 A cuboid with a squared base, its volume is 150cm^3 . and its height is
 6cm, then the side length of its base is cm.
 (5 or 6 or 25 or 900)

8 10 % of = 27 (540 or 270 or 10 or 2.7)

9 Salma reads 280 pages of stories weekly, then she reads
 pages daily. (40 or 7 or 14 or 70)

Q2: Answer the following:

1 Maher bought 3kg of bananas for 60LE. How much will he need to pay
 to buy 7kg of bananas?

.....

.....

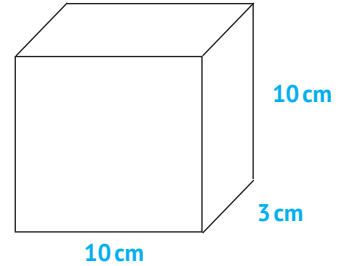
- 2 Sara got 48 marks out of 50 in an exam. Find the percentage of her mark.

.....

- 3 In the opposite figure:
calculate the surface area.

.....

.....



- 4 If 2 liters of milk is to be divided into containers of $\frac{1}{8}$ liters each, how many containers can the milk be divided into?

.....

.....

- 5 Convert the speed of 500cm/s to meters per second using the conversion factor?

.....

.....

- 6 A shirt that costs 1200EGP has a 40% discount, calculate the value of the amount saved and the price of the shirt after the discount?

.....

.....

- 7 A rectangular prism has dimension of 7cm, 5cm, and 3cm. Find its volume.

.....

.....

Model

9

Q1: Choose the correct answer:

- 1 If $8 : x - 1 = 6 : 12$, then the value of $x =$ (17 or 8 or 15 or 7)
- 2 $\div \frac{1}{2} = \frac{1}{3}$ ($\frac{1}{6}$ or 6 or $\frac{3}{1}$ or $\frac{2}{3}$)
- 3 5.3 ton 5700kg ($>$ or $<$ or $=$ or otherwise)
- 4 A triangle with base length of 10cm, and its corresponding height is 6cm. Then its area = cm^2 . (30 or 15 or 45 or 60)
- 5 In a restaurant, there's 10% added to each meal as service. If the price of a meal is 240LE, then the price of the meal after adding service is LE. (248 or 264 or 24 or 258)
- 6 If the sum of edges of a cube is 36cm, then the area of one face is cm^2 . (6 or 18 or 72 or 9)
- 7 61% of a liter= milliliter. (61 or 610 or 6.1 or 6100)
- 8 If the area of a parallelogram is 98cm^2 , and its base is 7cm, then its corresponding height cm. (14 or 6 or 7 or 28)
- 9 The formula for the surface area of a cube is ($6s^2$ or $4s^2$ or $6s$ or s^2)

Q2: Answer the following:

- 1 The reciprocal of the number is $3\frac{3}{5}$

.....

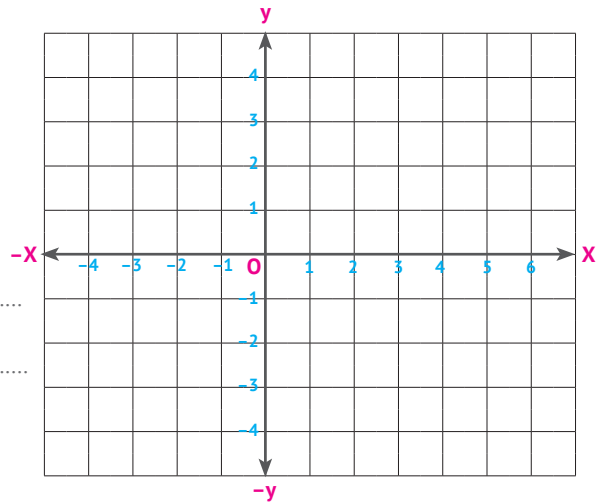
.....

- 2 What is the y-coordinate of any point on the x-axis?

.....

.....

- 3 Use graph paper to draw the points $A(1, 1)$, $B(1, 5)$ and $C(5, 1)$, then determine what type of geometric figure ABC ?

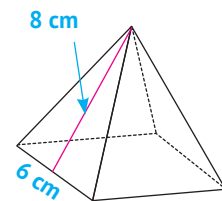


- 4 You go to the movie theatre and want to buy popcorn and you have two options: the first pack of 6 cups for EGP 60 and the second pack of 8 cups for EGP 76, which is the best option to buy?

- 5 Aya bought a car for EGP 760,000. She paid 35% of its price. How much money did she pay?

- 6 A triangle has an area of 45cm^2 , and its base is 9cm. Find the corresponding height.

- 7 In the following square pyramid:
Find the surface area.



Model

10

Q1: Choose the correct answer:

1 $2.5 \div 0.05 =$ (5 or 50 or 500 or 0.5)

2 In one month's exam, Dalia got 27 marks out of 30. The percentage of Dalia's score for the total score is
(70 or 80 or 81 or 90)

3 A square-based pyramid has a square base and four lateral faces.
(squares or triangles or rectangles or circles)

4 2.5 liters 205mL (> or < or = or otherwise)

5 15% of 200LE = LE. (300 or 30 or 3 or 3,000)

6 The point $(-3, -3)$ is located in the quadrant.
(second or first or third or fourth)

7 The reciprocal of the fraction $\frac{1}{7}$ is (7 or $\frac{1}{7}$ or 1 or 6)

8 If a parallelogram has an area of 48cm^2 and a base length of 6cm, then its corresponding height is cm. (9 or 8 or 7 or 8.5)

9 From the opposite equivalent ratios,

$A + B =$ (98 or 97 or 96 or 95)

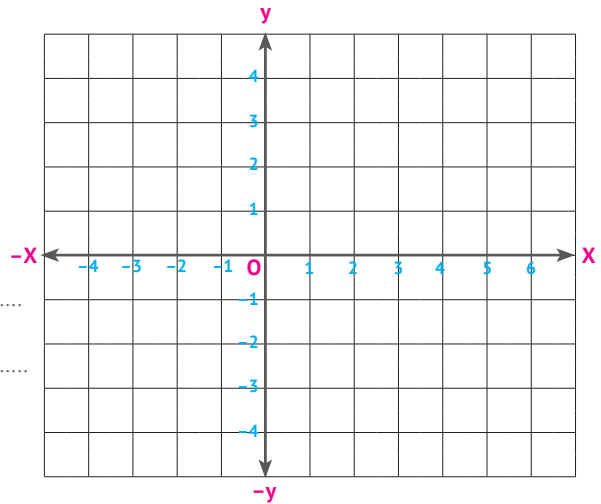
4	36	B
9	A	36

Q2: Answer the following:

1 The number of pupils in school is 720. One day, 7.5% of them were absent. Find the number of the present pupils that day.

.....
.....

- 2 Plot and label the points (3 , 1) and (-2 , 1) on this grid, then find the distance between them.



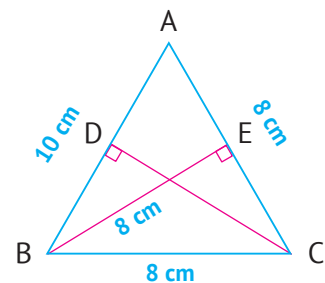
- 3 If the speed of a train is 3km per min. Find the speed in km per hour.

- 4 Menna bought a dress for 1800 pounds after a 20% discount. What was the original price of the dress before the discount?

- 5 If the base area of a cuboid is 27cm^2 , and its height is 5cm, find the volume of the cuboid.

6 $1 - 9\% = \dots\dots\dots \%$

- 7 According to the following triangle, find the length of CD.



Model 1

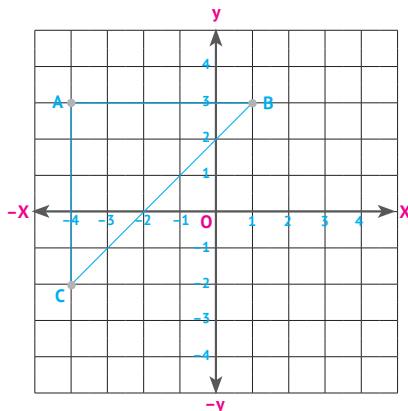
First

- 1 30
- 2 27
- 3 20 : 24
- 4 12
- 5 36 cm²
- 6 =
- 7 $\frac{5}{9}$
- 8 140 LE per week.
- 9 0.45

Second

1 $\frac{50}{100} \times 480,000 = 240,000$

2



a • Right triangle.

b $\frac{1}{2} \times 6 \times 5 = 15$

3 Number of pupils = $184.5 \div 20.5 = 1845 \div 205 = 9$ pupils.

4 10,000 mL = 10,000 mL $\times \frac{1 \text{ L}}{1000 \text{ mL}} = 10\text{L}.$

5 Then number of students
 $= \frac{30 \times 60}{100} = 18$ students.

6 The area of triangle (1) = $\frac{1}{2} \times 3 \times 4 = 6 \text{ cm}^2$
 The area of triangle (2) = $\frac{1}{2} \times 3 \times 4 = 6 \text{ cm}^2$

The area of rectangle = $5 \times 4 = 20 \text{ cm}^2$

The area of trapezium = $6 + 6 + 20 = 32 \text{ cm}^2$

7 a 0.045 b $\frac{21}{5} \times \frac{5}{2} = \frac{21}{2} = 10 \frac{1}{2}$
 c $3 \times \frac{4}{2} = 6$

Model 2

First

- 1 12
- 2 0.75
- 3 48,000
- 4 0.68
- 5 $\frac{1}{2}bh$
- 6 216
- 7 6.25
- 8 30%
- 9 Third.

Second

1 Number of bottles = $6 \div \frac{3}{4} = \frac{24}{3} = 8$ bottles.

2 Percentage = $\frac{600}{300} \times 100\% = 20\%$

3 L (-3, 5), K (2, 3) M (-1, -4), N (4, 0)

4 Area = $b \times h = 8 \times 5 = 40 \text{ cm}^2$

5 Volume = $7 \times 5 \times 2 = 70 \text{ cm}^3$

6 a 4 : 5 b $\frac{2}{7} \times \frac{3}{1} = \frac{6}{7}$

c $3.6 \div 0.12 = 360 \div 12 = 30$

7 The area of face (1) = $5 \times 3 = 15 \text{ cm}^2$

The area of face (2) = $3 \times 3 = 9 \text{ cm}^2$

The area of face (3) = $4 \times 3 = 12 \text{ cm}^2$

The area top base = $\frac{1}{2} \times 4 \times 3 = 6 \text{ cm}^2$

The area bottom base = $\frac{1}{2} \times 4 \times 3 = 6 \text{ cm}^2$

Surface area of prism = $15 + 9 + 12 + 6 + 6 = 36 \text{ cm}^2$

Model 3

First

- 1 3 : 5
- 2 14
- 3 24
- 4 (2, 4)
- 5 180
- 6 $\frac{5}{2}$
- 7 6 X S X S
- 8 26
- 9 Percentage.

Second

1 SA = $2 \times (10 \times 3 + 3 \times 4 + 4 \times 10)$
 $= 2 (30 + 12 + 40) = 2 \times 82 = 164 \text{ cm}^2$

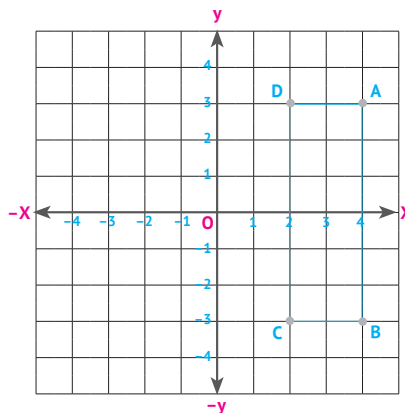
2 Value of one part = $20 \div 4 = 5$ boys.

Number of girls = $5 \times 5 = 25$ girls.

Total = $20 + 25 = 45$ pupils.

3 Percentage = $\frac{38}{40} \times 100\% = 95\%$

4



It's a rectangle.

5 The area of parallelogram = $b \times h$
 $= 10 \times 6 = 60 \text{ cm}^2$

6 The area of face = $\frac{1}{2} \times 8 \times 5 = 20 \text{ cm}^2$

The area top base = $8 \times 8 = 64 \text{ cm}^2$

Surface area of pyramid = $64 + (20 \times 4) = 144 \text{ cm}^2$

7 a 20 b 9 c 80

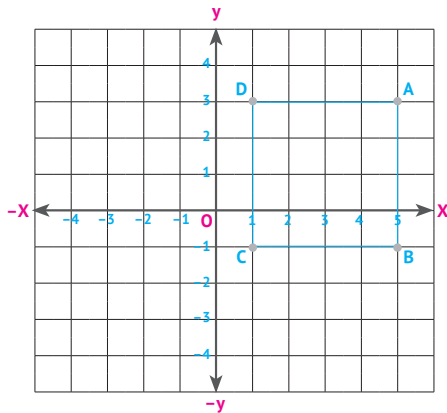
Model 4

First

- 1 Rate. 2 X-axis. 3 Percentage.
 4 3 5 20 m per 1 min 6 5
 7 3 : 4 8 $\frac{1,000 \text{ g}}{1 \text{ kg}}$ 9 $(-5, -9)$

Second

- 1 She paid = $32 \times 2.5 = 80 \text{ LE}$.
 2 Additional = $\frac{30}{100} \times 440 = 132 \text{ LE}$.
 Total payment = $440 + 132 = 572 \text{ LE}$.
 3 Area = $\frac{1}{2} \times b \times h = \frac{1}{2} \times 8 \times 6 = 24 \text{ cm}^2$
 4 a



b The figure is a square.

- 5 Value of discount = $\frac{10 \times 180}{100} = 18 \text{ LE}$.
 The price after discount = $180 - 18 = 162 \text{ LE}$.
 6 The area of parallelogram = $b \times h = 8 \times 6 = 48 \text{ cm}^2$
 7 a $250 \div 5 = 50$ b $28 \div 7 = 4$
 c $a = \frac{21 \times 4}{7} = 12$

Model 5

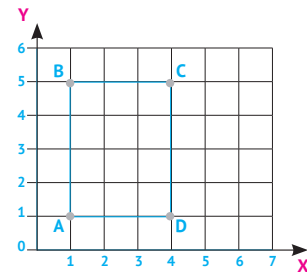
First

- 1 3 : 5 2 $\frac{5}{3}$ 3 7 4 12.5
 5 24 6 18 7 $(-4, -4)$
 8 $\frac{1,000 \text{ m}}{1 \text{ km}}$ 9 7

Second

- 1 Sum of parts = $2 + 7 = 9$ parts.
 Value of one part = $45 \div 9 = 5$ animals.
 The number of lions = $2 \times 5 = 10$ lions.
 The number of cats = $7 \times 5 = 35$ cats.
 2 Area = $10 \times 6 = 60 \text{ cm}^2$
 3 Number of Absent = $\frac{10}{100} \times 700 = 70$ students.
 Number of presents = $700 - 70 = 630$ students.

4



The shape is a rectangle.

- 5 The area of face (1) = $5 \times 6 = 30 \text{ cm}^2$
 The area of face (2) = $3 \times 6 = 18 \text{ cm}^2$
 The area of face (3) = $4 \times 6 = 24 \text{ cm}^2$
 The area top base = $\frac{1}{2} \times 4 \times 3 = 6 \text{ cm}^2$
 The area bottom base = $\frac{1}{2} \times 4 \times 3 = 6 \text{ cm}^2$
 Surface area of prism = $30 + 18 + 24 + 6 + 6$
 $= 84 \text{ cm}^2$
 6 15 LE.
 7 The total amount = $\frac{50 \times 100}{10} = 500 \text{ LE}$.
 c $3.6 \div 0.12 = 360 \div 12 = 30$

Model 6

First

- 1 2 2 4 : 1 3 54 cm² 4 24
5 Unit rate. 6 70 7 10
8 3 9 175

Second

- 1 The rate first = $\frac{12}{4} = 3$ m/ hr.
The rate second = $\frac{18}{9} = 2$ m/ hr.
2 $\frac{1}{4} \times 20 = 5$
3 The discount = $1400 \times 20\% = 280$ EGP.
The price after discount = $1400 - 280 = 1120$ EGP.
4 Draw by yourself. The shape is square.
5 The number of girls = $\frac{4}{5} \times 25 = 30$ girls.
6 $\frac{1}{2} \times 7 \times 4 = 14$ cm²
7 36

Model 7

First

- 1 (0 , 2) 2 30 3 80% 4 0.12
5 40 6 28 7 1 8 120
9 10

Second

- 1 Price of 1 kg = $\frac{150}{5} = 30$ L.E.
Price Of 10 kg = 300 L.E.
2 $3 \times 5 + \frac{1}{2} \times 2 \times 3 = 18$ cm²
3 (The average) The rate = $\frac{120}{2} = 60$ km/ hr.
4 The total = $20 \div 80\% = 25$ boxes.
5 The number pieces = $\frac{8}{10} \div \frac{1}{5} = \frac{8}{10} \times 5 = 4$ pieces.
6 $6 \times 6 = 36$ cm²
7 The discount = $500 \times 10\% = 50$ L.E.
The price after discount = $500 - 50 = 450$ L.E.

Model 8

First

- 1 25 2 0.008 3 (2 , 5) 4 12
5 125 6 3 7 5 8 270
9 40

Second

- 1 The price of 7 k = $\frac{60}{3} \times 7 = 140$ L.E.
2 $\frac{48}{50} \times 100\% = 96\%$
3 S.A = $2 \times (3 \times 10 + 3 \times 10 + 10 \times 10)$
 $2 \times 160 = 320$ cm²
4 $2 \div \frac{1}{8} = 2 \times 8 = 16$ contaoners.
5 $500 \times \frac{1 \text{ m}}{100 \text{ cm}} = 5$ m/ sec.
6 The discount = $1200 \times 40\% = 480$
The price after discount = $1200 - 480 = 720$ EGP
7 $V = 7 \times 5 \times 3 = 105$ cm³

Model 9

First

- 1 17 2 $\frac{1}{6}$ 3 < 4 30
5 264 6 9 7 610 8 14
9 6 s²

Second

- 1 $\frac{5}{18}$ 2 is zero.
3 Draw by yourself. Right angled triangle.
4 The price of first pack = $\frac{60}{6} = 10$ EGP/ cup.
The price of second pack = $\frac{76}{8} = 9.5$ EGP/ cup.
5 $760,000 \times 35\% = 226,000$ EGP.
6 The height = $\frac{2 \times 45}{9} = 10$ cm.
7 The area of base = $6 \times 6 = 36$ cm²
The area of one face = $\frac{1}{2} \times 6 \times 8 = 24$ cm²
The S.A = $36 + 4 \times 24 = 132$ cm²

Model 10

First

- 1 50 2 90 3 Triangles.
- 4 > 5 30 6 Third. 7 7
- 8 8 9 97

Second

- 1 The number of absent= $720 \times 7.5\% = 54$
The number of present= $720 - 54 = 666$ students.
- 2 Draw by yourself.
 $| 3 | + | - 2 | = 5$ length unit.
- 3 The speed of the train= $3 \times \frac{60 \text{ min}}{1 \text{ hr}} = 180 \text{ km / hr}$
- 4 The price before discount= $800 \div 80\%$
 $= 2250$ pounds.
- 5 $v = 27 \times 5 = 135 \text{ cm}^2$
- 6 91%
- 7 The area= $\frac{1}{2} \times 8 \times 8 = 32 \text{ cm}^2$
 $\frac{1}{2} \times 10 \times \text{CD} = 32$
 $\text{CD} = \frac{2 \times 32}{10} = 6.4 \text{ cm.}$

حمل الآن

مجاناً وحصرياً

امتحانات رقم (3)

الترم الثاني



Prim 6 - Model No**1****[Q1] [A] Choose the correct answer:**

(1) The volume of cuboid whose dimensions 4 , 3 , 5 cm. is Cm^3

- a) 47 b) 60 c) 72 d) 12

(2) $\frac{2}{5} \div \frac{1}{5} = \dots\dots\dots$

- a) 2 b) $\frac{2}{25}$ c) $\frac{2}{5}$ d) 5

(3) $12 : 20 = \dots\dots\dots$ (in the simplest form)

- a) 3 : 2 b) 5 : 7 c) 5 : 3 d) 3 : 5

[B] A merchant sold 50 kg of apple with 1550 L.E Find the price of a kilogram of apple ?

.....

.....

[Q2] [A] Choose the correct answer:

(1) The image of the point $(-3, 3)$ by reflection on X axis is

- a) $(-3, 3)$ b) $(3, 3)$ c) $(3, -3)$ d) $(-3, 0)$

(2) The triangle has altitudes

- a) 0 b) 1 c) 2 d) 3

(3) is the ratio between two different quantities

- a) Ratio b) Rate c) Proportion d) equivalent

[B] find the volume of a cuboid if its dimensions 10 cm. , 6 cm, 8 cm. ?

.....

.....

[Q3] [A] Choose the correct answer:

(1) The point $(3, 0)$ lies on axis

- a) X b) Y c) O d) XY plane

(2) $\frac{4}{5} = \dots\dots\dots\%$

- a) 20 b) 80 c) 75 d) 0.8

(3) If the quadrilateral pyramid area base 60 cm^2 . the area of one face is 30 cm^2 . then area of total area is Cm^2

- a) 90 b) 180 c) 120 d) 150

[B] Find the area of triangle-whose length base 8 cm. and its corresponding height 6 cm. ?

[Q4]

[A] From the opposite proportion table

The price	75	?
month	3	2

Find the saved money during two months

[B] If the cube of edge length 1 cm. then Find its lateral surface area ?

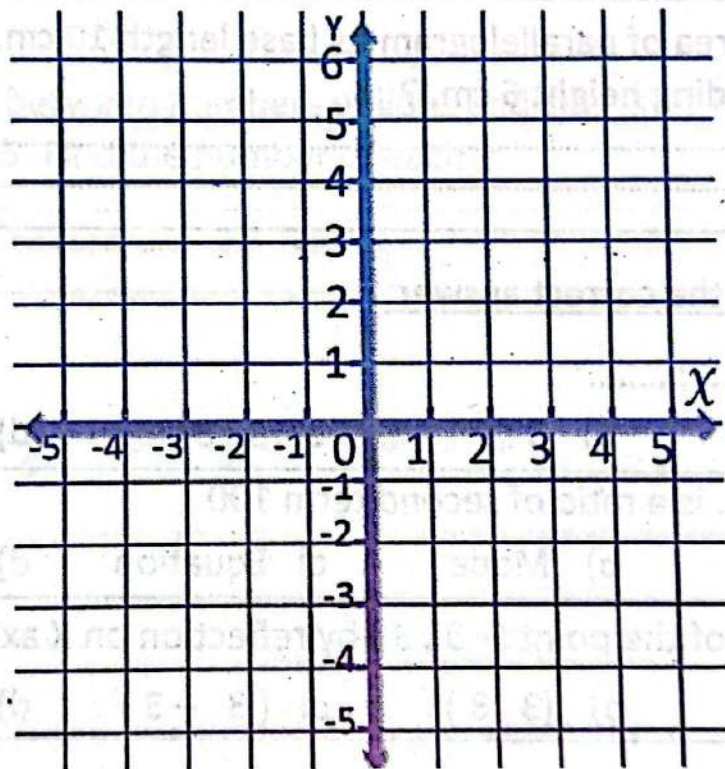
[Q5]

- [A] If Mahmoud bought a computer with 10 % discount from its price 15000, then find what Mahmoud paid ?

.....

.....

- [B] Locate the following points on the coordinate plane and connect the points in order A (3 , 3), B (3 , - 2), C (- 2 , - 2), determine the coordinate of D which make the figure square ?



.....

.....

End of the questions

Prim 6 - Model No.

2

[Q1] [A] Choose the correct answer:

(1) $0.37 \times 0.1 = \dots\dots$

a) 3.7

b) 37.0

c) 0.370

d) 0.037

(2) Ayman read 45 pages in 15 days, then the rate of his performance = pages / day

a) 8

b) 12

c) 3

d) 20

(3) The distance between $(-3, -10)$, $(-3, 4)$ is Unit

a) 4

b) 14

c) 6

d) 10

[B] Find the area of parallelogram its base length 10 cm., its corresponding height 6 cm. ?

.....

.....

[Q2] [A] Choose the correct answer:

(1) $27 : 45 = \dots : \dots$

a) 3 : 5

b) 3 : 9

c) 9 : 8

d) 5 : 3

(2) is a ratio of second term 100

a) Rate

b) Mode

c) Equation

d) percentage

(3) The image of the point $(-3, 3)$ by reflection on X axis is

a) $(-3, 3)$ b) $(3, 3)$ c) $(3, -3)$ d) $(-3, 0)$

[B] Find the area of quadrilateral pyramid whose edge length 4 m. ?

.....

.....

[Q3] [A] Choose the correct answer:

(1) When we plot the ordered pair (4 , 3) in the coordinate plane we move Horizontal units on X-axis

- a) 4 b) 3 c) 7 d) 12

(2) The two lines never intersecting

- a) Parallel b) Intersecting c) Perpendicular d) coincides

(3) Area of parallelogram = × corresponding height

- a) Base b) Triangle c) Half base d) edge

[B] The ratio between numbers of lions and cats is 2 : 7 and the sum of them is 45. Find the number of each ?

[Q4]

[A] If $\frac{4}{x+1} = \frac{2}{5}$, then Find the value x ?

[B] If $0.024 \div 0.3 = b$, then Find the value of b ?

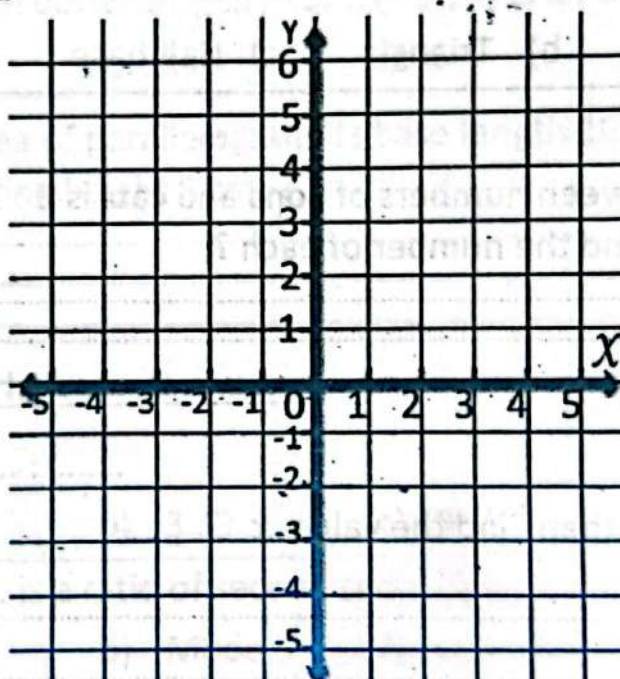
[Q5]

- [A] A man bought a TV. set. He was given a 15% discount of its marked price which was 8,500 L.E. Find its price after discount.?
-
-

[B] Plot the points on the coordinate plane:

$A(1,-1), B(1,3), C(-3,-3), D(-3,-1)$,

What is the name of the figure ABCD?



End of the questions

Prim 6 - Model No**3****[Q1] [A] Choose the correct answer:**

(1) $13.31 \div 0.11 = \dots \div 11$

- a) 1,331 b) 1.331 c) 133.1 d) 0.1331

(2) $\frac{1\text{km}}{\dots}$ is a conversion factor

- a) 2 hours b) 100 cm c) 1,000 m d) 1,000 km

(3) The area of parallelogram =

- a)
- $b + h$
- b)
- $b \times h$
- c)
- $(b + h) \times 2$
- d)
- $\frac{b}{h}$

[B] If the ratio between two numbers is 3: 5 and the smaller one is 15, then find the greater one ?
.....
.....**[Q2] [A] Choose the correct answer:**

(1) $\dots \div \frac{3}{5} = \frac{3}{2}$

- a)
- $\frac{2}{5}$
- b)
- $\frac{5}{2}$
- c)
- $\frac{6}{10}$
- d)
- $\frac{9}{10}$

(2) In the opposite figure :

BC : AE =

- a) 2 : 5 b) 1 : 3 c) 1 : 4 d) 4 : 1



(3) If we double the edge length of a cube then The ratio between the volumes of a cube to the new cube is 1 :

- a) 8 b) 3 c) 2 d) 4

[B] Find the volume of the cuboid of area base 28 cm^2 , and its height 7.4 cm.?
.....
.....

[Q3] [A] Choose the correct answer:

(1) The next ratio of $2 : 5$, $6 : 15$, $18 : 45$,

- a) $54 : 135$ b) $54 : 90$ c) $36 : 90$ d) $54 : 180$

(2) 3.25×0.12 32.5×0.012

- a) $>$ b) $<$ c) $=$ d) otherwise

(3) In the opposite figure :

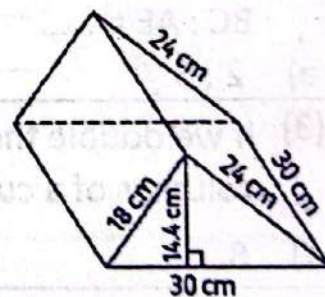
If the distance between A and B is 200 then $x =$

- a) 100 b) -100 c) 200 d) -200

[B] In a Maths exam, Yasser got 80% and Fayez got 45 marks out of 50 which of them has got a better score. What is the difference between their scores?

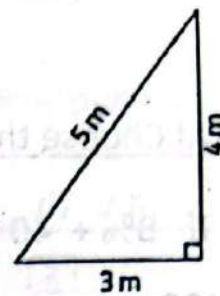
[Q4]

[A] Calculate the surface area of the opposite triangular prism.



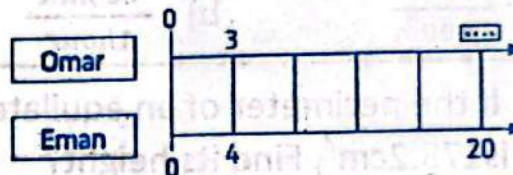
[B] In the opposite figure :

Find the area of the opposite figure ?

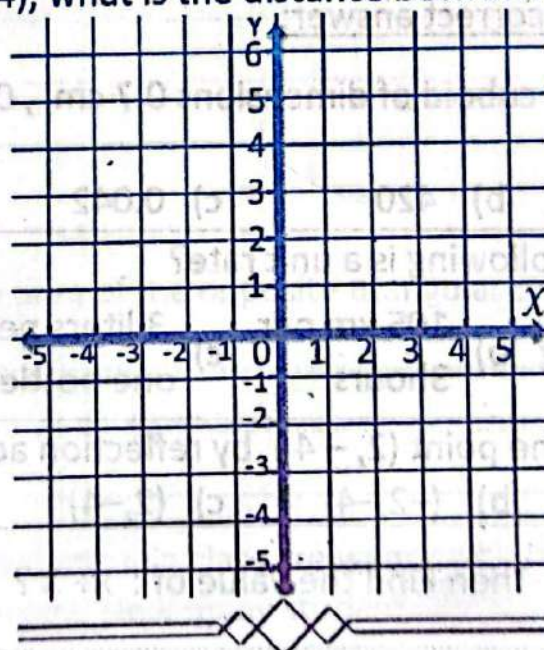


[Q5]

[A] From the opposite double number line , if the ratio between Omar saved and Salma saved was 3 : 4 if Salma saved 20 L.E. then Omar saved L.E.



[B] Plot A(1,-3), B(1,4), what is the distance between A and B ?



End of the questions

Prim 6 - Model No**4****[Q1] [A] Choose the correct answer:**(1) If $B\% + 40\% + 40\% = 1$, then the value of B =

- a) 20 b) 100 c) 40% d) 20%

(2) The point (2 , - 3) lies in quadrant .

- a) First b) Second c) Third d) fourth

(3) Which of the following is NOT a conversion factor ?

- a) $\frac{1 \text{ km}}{1,000\text{m}}$ b) $\frac{60 \text{ min}}{1\text{hour}}$ c) $\frac{90 \text{ km}}{\text{hour}}$ d) $\frac{1 \text{ day}}{24 \text{ hours}}$

[B] If the perimeter of an equilateral triangle e is 60 cm and its area is 173.2cm^2 , Find its height?

.....

.....

[Q2] [A] Choose the correct answer:(1) The volume of cuboid of dimensions 0.7 cm. , 0.6 cm. , 10 cm. is Cm^3 .

- a) 42 b) 420 c) 0.042 d) 4.2

(2) Which of the following is a unit rate?

- a) 20 L.E. per 2 kg b) 105 km per 3 hours c) 3 liters per one bottle d) 8 spoons of square for 4 cups of tea

(3) The image of the point (2, - 4) by reflection across x-axis is

- a) (2 , 4) b) (-2,-4) c) (2,-4) d) (-2,4)

[B] If $\frac{8}{9} \div \frac{4}{3} = \frac{x}{3}$ then Find the value of : $x+3$?

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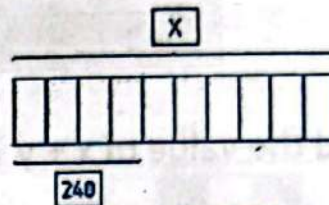
[Q3] [A] Choose the correct answer:

(1) The area of triangle of base length 10 cm. and its corresponding height 4.8 is cm^2

- a) 48 b) 24 c) 4.8 d) 2.4

(2) From the opposite tape diagram

X =



- a) 60 b) 240 c) 400 d) 600

(3) You can use the opposite model to solve the problem



- a) $\frac{1}{10} \div \frac{1}{2}$ b) $\frac{1}{10} \div 5$ c) $\frac{1}{2} \div 5$ d) $\frac{1}{2} \div 10$

[B] if the ratio 7 : 11 is equivalent to the ratio x : 7.7 then Find the value of x ?

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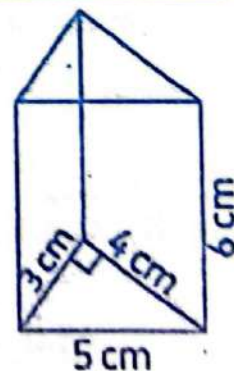
.....

[Q4]

[A] Find The surface area of the opposite triangular prism ?

.....

.....



[B] If 20% of the students in a class are wearing black. There are 40 students in the class. How many students are wearing black?

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.....

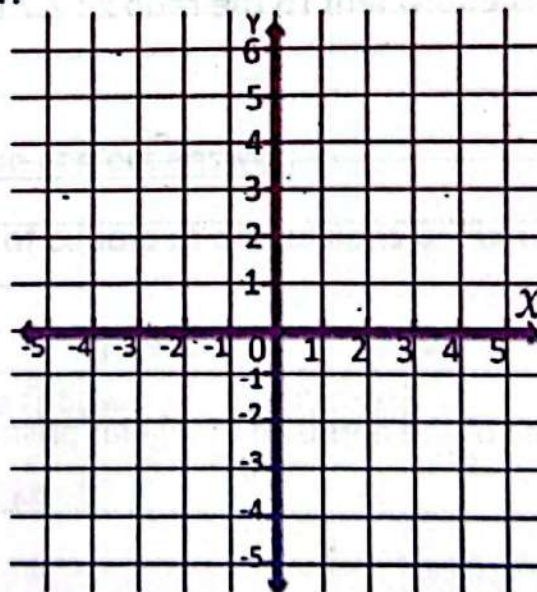
[Q5]

[A] In the opposite ratio table?

Kg	1	2	3	4
L.E.	x	100	y	200

Find the value of $x + y$?

[B] Locate the following points on the coordinate plane and connect the points in order A (6, 1), B (6 , 4), C (- 2 , 4), determine the coordinate of D which make the figure rectangle ? what its area?



End of the questions

Prim 6 – Model No**5****[Q1] [A] Choose the correct answer:**

(1) Which ratio means the same thing as 1 : 4 ?

- a) 4 through 1 b) 1 to 1 c) $\frac{4}{1}$ d) 1 to 4

(2) The volume of cuboid of dimensions 12 cm., 9.5 cm., 10 cm..... is cm^3

- a) 114 b) 1140 c) 11.4 d) 1,14

(3) The percentage of the shaded part to whole figure = %



- a) 5 b) 0.5 c) 50 d) 10

[B] The total number of boys and girls in a school is 540 , if the number of boys in this school is 300 . Find The ratio between the number of boys and the number of girls?

[Q2] [A] Choose the correct answer:

(1) Which of the following is NOT a unit rate?

- a) 140 L. E .weekly b) 25 L.E. for each kg c) 0.2 kg of flour per cup cake d) 90km per 60 minutes

(2) If The reciprocal of $\frac{4}{9}$ is $\frac{m}{4}$ then $m + 1 = \dots\dots\dots$

- a) 9 b) 10 c) 3 d) 5

(3) If the side length of a rhombus is 10 cm and its height 3.4 cm, then it's area is Cm^2

- a) 3.04 b) 3.40 c) 34 d) 0.34

[B] In a mathematics exam ,Rihana got 38 marks of 40 marks. Find the percentage of the marks she got?

[Q3] [A] Choose the correct answer:

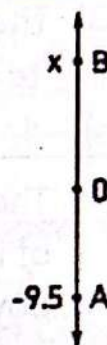
(1) To find value of D in equation $D \div \frac{5}{7} = \frac{1}{6}$, we use operation

- a) division b) Multiplication c) Addition d) subtraction

(2) A point is located 3 units to the right of the origin point and 2 units up, then the point is (.... ,)

- a) (3, -2) b) (3, 2) c) (-3, -2) d) (-3, 2)

(3) If $AB = 20$ units then $x = \dots\dots\dots$



- a) 9.5 b) 20 c) 10 d) 10.5

[B] If the perimeter of one face in a cube is 60 mm, then Find its surface area ?

.....

.....

.....

[Q4]

[A] If you need to buy 1.5 kilograms of apples for your mother at a cost of 40.50 L.E. per kilogram, how much would you pay?

.....

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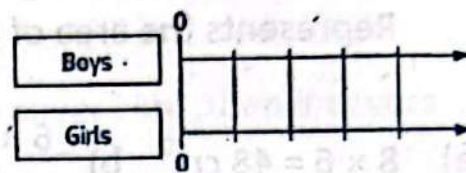
- [B] If the ratio between two numbers is $2 : 3$ and the first number is 6, then find the second number ?

[Q5]

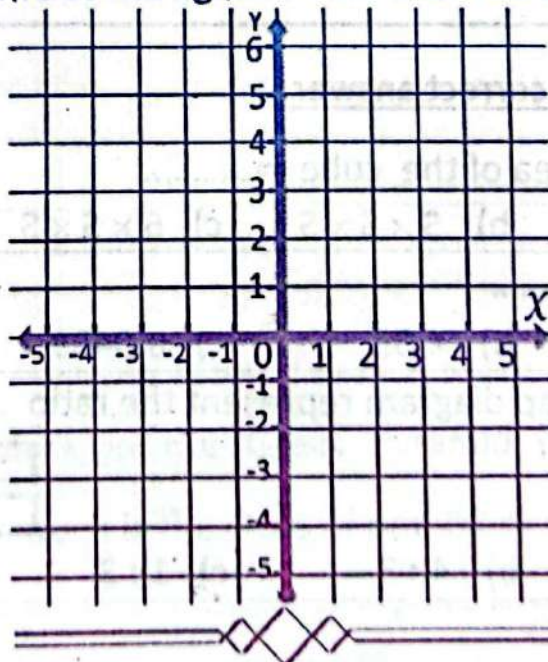
- [A] From opposite double number line:

If the ratio between the numbers of boys to girls is $5 : 6$

and the total of boys and girls is 44 pupils, then Find the number of girls ?



- [B] Locate the following points on the coordinate plane and connect the points in order A (6 , 1), B (6 , 4), C (- 2 , 1), What is the name of the figure ? Find the area of the figure ?



End of the questions

Prim 6 - Model No

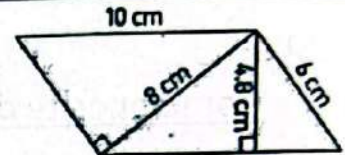
6

[Q1] [A] Choose the correct answer:

- (1) If the price of a shirt is 280 L.E. before discount 10 % then the discount isL.E.

a) 2.8 b) 28 c) 252 d) 270

- (2) Which of the following equations Represents the area of parallelogram ?



a) $8 \times 6 = 48 \text{ cm}^2$ b) $\frac{6 \times 4.8}{2} = 14.4 \text{ cm}^2$ c) $8 \times 4.8 = 38.4 \text{ cm}^2$ d) $8 \times 10 = 80 \text{ cm}^2$

- (3) The point Lies in the first quadrant

a) (2, -3) b) (-1, -4) c) (-4, 3) d) (3, 5)

- [B] If 437.5 L.E. is distributed among the excellent pupils and each of them takes 175 L.E. Find the number of excellent pupils?

.....

.....

[Q2] [A] Choose the correct answer:

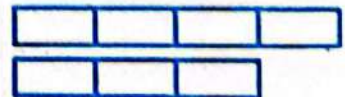
- (1) The surface area of the cube =

a) S^2 b) $S \times S \times S$ c) $6 \times S \times S$ d) $S + S + S$

- (2) $0.453 \times 0.1 = \dots\dots\dots$

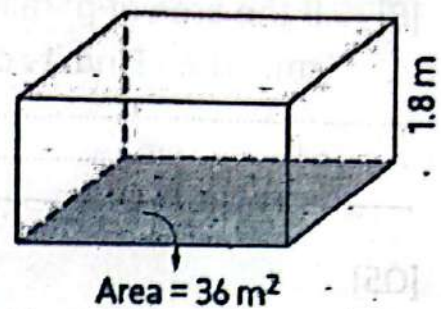
a) 0.0543 b) 4.53 c) 0.0453 d) 0.453

- (3) The opposite tap diagram represent the ratio



a) 3 : 4 b) 4 : 3 c) 1 : 3 d) 3 : 5

[B] Find the volume of the opposite cuboid ?



[Q3] [A] Choose the correct answer:

(1) A car consumes 0.1 liter of petrol to cover 1 km, then it covers ... km/liter

- a) 1 b) 5 c) 10 d) 20

(2) $1 - 35\% = \dots\dots$

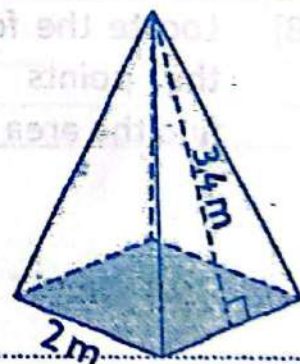
- a) 65 b) 6.5 c) 0.65 d) 34

(3) $60 \text{ m / min} = \dots\dots\dots \text{ m / sec}$

- a) 1 b) 60 c) 3600 d) 120

[B] In the opposite figure :

Find the area of the square – based pyramid?



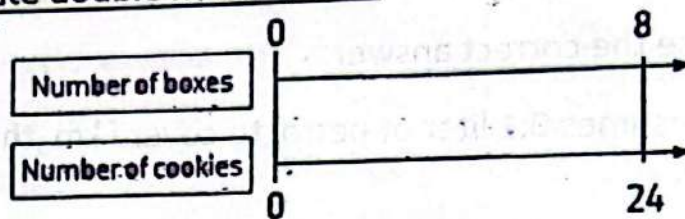
[Q4]

[A] Each stone block in the Great Pyramid has a mass of about 2,300 kg. How much is the mass of one block in grams?

- [B] If the area of parallelogram with area 4.6 cm^2 . And base length 0.6 cm , then Find its corresponding height ?

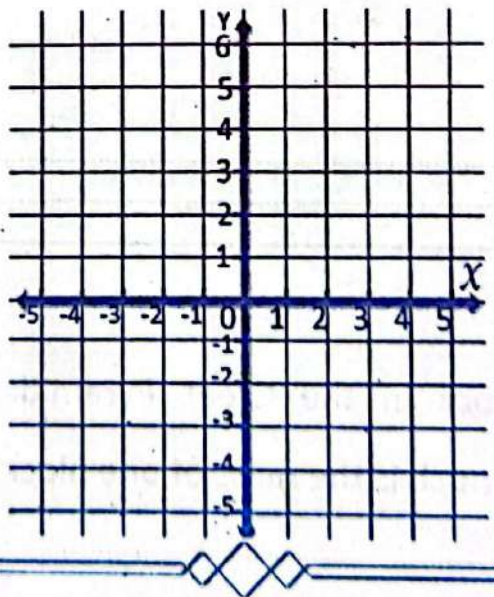
[Q5]

- [A] From opposite double number line:



There are 24 cookies in 8 boxes,
then Find the number of cookies in 3 boxes ?

- [B] Locate the following points on the coordinate plane and connect the points in order A (1, 1), B (1 , 5), C (4, 5), find the area of triangle ABC ?



End of the questions

Prim 6 - Model No**7****[Q1] [A] Choose the correct answer:**

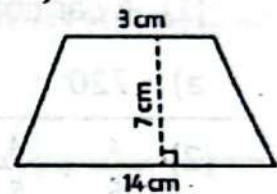
(1) The point Lies in the first quadrant

- a) $(2, -3)$ b) $(-1, -4)$ c) $(-4, 3)$ d) $(3, 5)$

(2) If $24 \times 96 = 2,304$ then $2,304 \div 9.6 = \dots\dots\dots$

- a) 24 b) 2.4 c) 0.24 d) 240

(3) The surface area of opposite trapezium =



- a) 56 b) 77 c) 98 d) 38.5

[B] From the opposite table

whole	part	percent
x	54	20%

Find the value of x ?

.....

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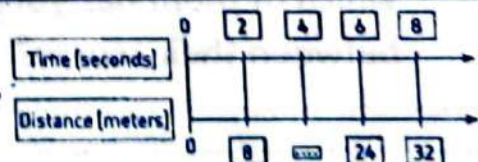
[Q2] [A] Choose the correct answer:(1) The height of a rhombus is 5 cm., and its area 35 cm^2 . Its perimeter....

- a) 7 b) 14 c) 28 d) 70

(2) A point is located 5 units to the right of the origin point and 2 units up, then the point is

- a) $(-5, 2)$ b) $(5, -2)$ c) $(-5, -2)$ d) $(5, 2)$

(3) The opposite double number line represent the missing number is



- a) 8 b) 12 c) 16 d) 18

- [B] If number of pupils in a school 700 . One day 10 % of them were absent find the number of the present pupils that day?
-
-
-

[Q3] [A] Choose the correct answer:

- (1) A car covered 240 km in 3 hours, then its speed = Km / hour

a) 720 b) 72 c) 80 d) 8

- (2) $\frac{4}{5} \div \frac{4}{5} = \frac{4}{5} \times \dots\dots\dots$

a) $\frac{4}{5}$ b) $\frac{5}{4}$ c) 1 d) 1 %

- (3) If $a : b = 1 : 4$, $b = 24$, then $a = \dots\dots\dots$

a) 5 b) 10 c) 15 d) 20

- [B] Find The area of the opposite triangle ?



[Q4]

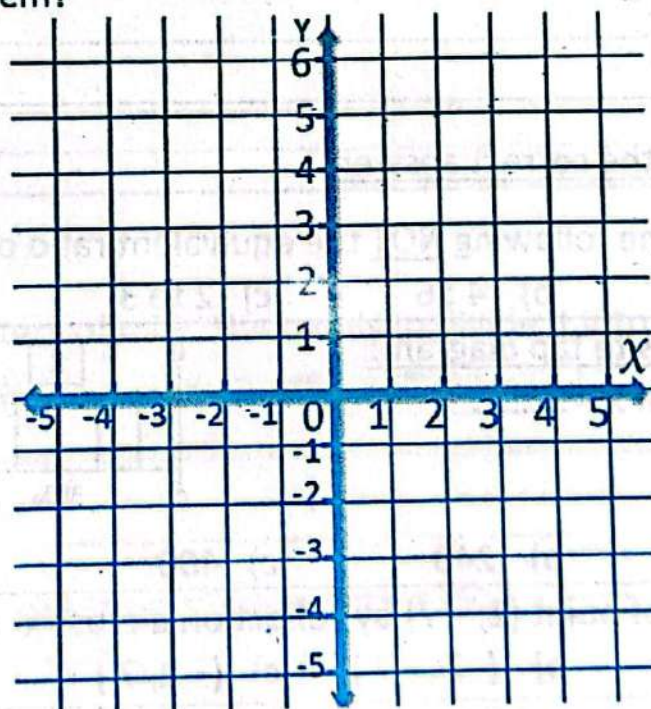
- [A] In a math's exam, Salma got 95% and Rahma got 45 marks out of 50 which of them has got a better score. What is the difference between their scores?
-
-
-

- [B] If the perimeter of an equilateral triangle is 60 cm. and its height 5 cm. find its area?

[Q5]

- [A] If Soad bought 2 kg of orange for 30 L.E., then Find what she paid to buy 6 kg ?

- [B] graph the following points on the coordinate plane and connect the points in order A (1 ; 4), B (1 , - 3), then find the distance between them?



End of the questions

Prim 6 – Model No**8****[Q1] [A] Choose the correct answer:**

(1) The reciprocal of 5 is

- a) 5 b) -5 c) $\frac{1}{5}$ d) $-\frac{1}{5}$

(2) 20 % of 600 =

- a) 1200 b) 120 c) 12 d) 0.12

(3) If The point (2 , 5) is moved 2 units to the right and 4 units down then the point A will be (..... ,)

- a) (4 , 9) b) (4 , 1) c) (0 , 9) d) (2 , 1)

[B] If There are 80 students in the class, 20% of the students of them wearing black.. How many students are wearing black ?

.....

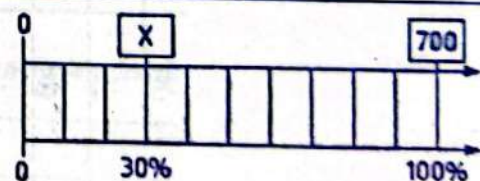
.....

[Q2] [A] Choose the correct answer:(1) Which of the following NOT the equivalent ratio of 16 : 24 =

- a) 8 : 12 b) 4 : 6 c) 2 to 3 d) 3 : 2

(2) From opposite tap diagram:

The value of x =



- a) 60 b) 240 c) 400 d) 600

(3) The image of point (2, -7) by reflection a cross x- axis is

- a) (2 , -7) b) (-2 , -7) c) (-2 , 7) d) (2 , 7)

[B] If The area of parallelogram with base length 6.8 cm. and its corresponding height is 7 cm. ?

.....

.....

[Q3] [A] Choose the correct answer:

(1) Which of the following is NOT a unit rate ?

- a) 90 km per 60 minutes b) 140 L.E. weekly c) 1 kg of flour per a cake d) 25 L.E per each kg

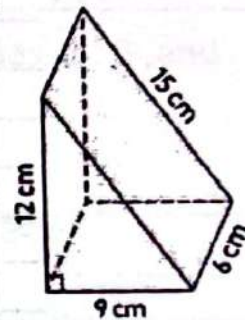
(2) The volume of cuboid whose dimensions 2, 3, cm. is 24 Cm^3

- a) 2 b) 144 c) 12 d) 4

(3) $5 \div \frac{2}{3} = \dots\dots\dots$

- a) 15 b) $\frac{10}{3}$ c) $7\frac{1}{2}$ d) $\frac{2}{15}$

[B] Find The surface area of opposite triangular prism ?



[Q4]

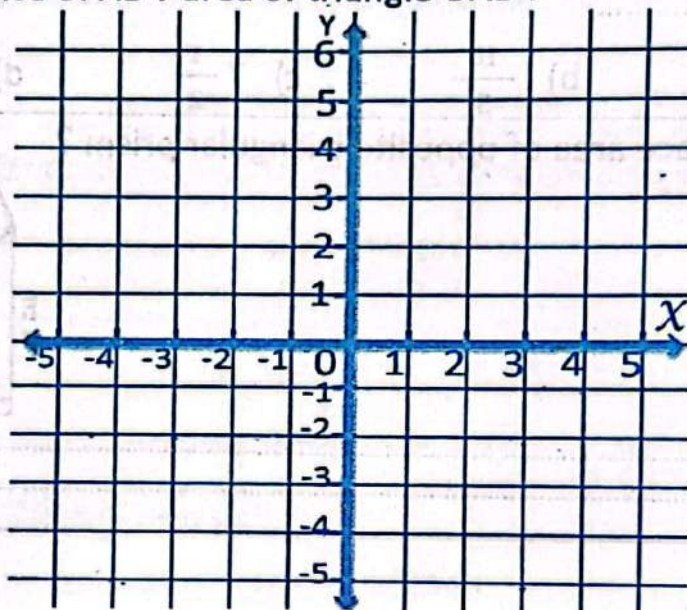
[A] Lana has 6 liters of milk. She needs to divide it into small bottles of $\frac{3}{4}$ liters each. How many bottles will she need ?

[B] A merchant sold 50kg of apple with 4550 L.E Find the price of a kilogram of apple?

[Q5]

- [A] Find the volume of a cuboid if its dimensions 10 cm., 3.6 cm, 4 cm.
?

- [B] Locate the following points on the coordinate plane and connect the points in order A (3 , 3) , B (3 , 0) , O is origin point then find the distance of AB ? area of triangle OAB ?



End of the questions

Prim 6 - Model No**9****[Q1] [A] Choose the correct answer:**

(1) The Conversion factor for convert km to m is

- a) Km / hour b) Km / m c) $\frac{1000 \text{ km}}{60 \text{ sec}}$ d) 1000

(2) The point (0 , 3) lies on axis

- a) X b) Y c) O d) XY plane

(3) The cuboid of dimensions are equal and each is 10 cm. then its volume is....

- a) 600 b) 1000 c) 10 d) 100

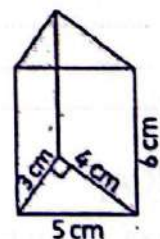
[B] If the ratio between what Ali has to what Mona has 3 : 5 ,and
Mona has 100 pounds then Find what Ali has ?

.....

.....

[Q2] [A] Choose the correct answer:(1) The reciprocal of $\frac{2}{5}$ is

- a) 2 b) $-\frac{5}{2}$ c) $\frac{5}{2}$ d) $-\frac{2}{5}$

(2) The area triangular pyramid is Cm^2 

- a) 72 b) 42 c) 84 d) 60

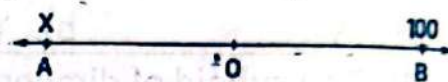
(3) 65 % of 44 44 % of 65

- a) < b) > c) = d) Otherwise

[B] If $\frac{x}{4} = 25\%$ then Find the value of x ?

[Q3] [A] Choose the correct answer:

1) If the distance between A and B is 200, then x =

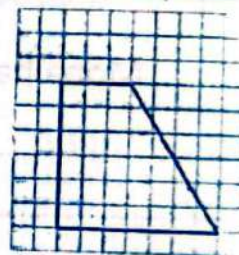


- a) 2 b) 8 c) 5 d) 3

2) 0.8×0.7 8×0.07

- a) > b) < c) = d) Other wise

(3) The area of opposite trapezoid is..... square unit



- a) $28 - 6$ b) $28 + 6$ c) $16 + 12$ d) $16 - 12$

[B] From the opposite proportion table

kg	1	2	3	4
L.E.	....	....	....	200

Find the missing numbers?

[Q4]

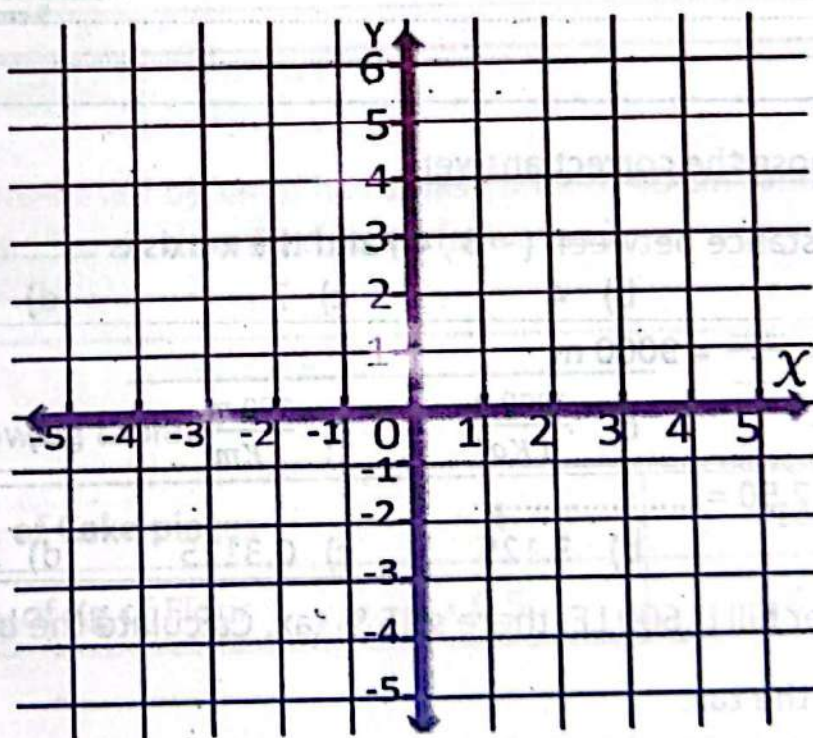
[A] Ali bought a TV set with 10 % discount from its price 25000, then find what did Ali pay ?

- [B] Which is greater: the area of a triangle whose base is 12 cm and its corresponding height 8 cm, or the area of a parallelogram whose base is 8 cm and its corresponding height 4 cm

[Q5]

- [A] Bilal cuts a piece of wood of length 20 m into equal parts of $\frac{1}{5}$ m long, How many pieces of wood parts ?

- [B] Locate the following points on the coordinate plane and connect the points in order A (3, 3), B (3, 0), C (3, 6), then find the distance of AC ?



End of the questions

Prim 6 - Model No**10****[Q1] [A] Choose the correct answer:**

(1) The image of the point (5 , 5) by reflection on X-axis is

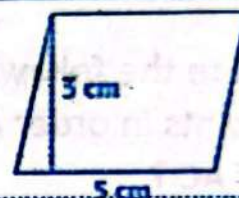
- a) (0 , 5) b) (- 5 , 5) c) (5 , - 5) d) (- 5 , - 5)

(2) Which of the following isn't equivalent ratio to 3 : 4 ?

- a) 75 % b)
- $\frac{6}{8}$
- c) 0.75 d)
- $\frac{5}{4}$

(3) Which of the following is the lowest cost in buying?

- a) 80 LE per 2 meters b) 50 LE per a meters c) 55 LE per a meters d) 100 LE per 3 meters

[B] Find the area of the opposite parallelogram?**[Q2] [A] Choose the correct answer:**

(1) The distance between (- 3 , 4) and the x-axis is units

- a) 3 b) 4 c) 7 d) 1

(2) $9 \text{ Km} \times \frac{\text{.....}}{\text{.....}} = 9000 \text{ m}$

- a)
- $\frac{1000 \text{ m}}{1 \text{ Km}}$
- b)
- $\frac{1000 \text{ g}}{1 \text{ Kg}}$
- c)
- $\frac{100 \text{ m}}{1 \text{ Km}}$
- d)
- $\frac{1 \text{ km}}{1000 \text{ m}}$

(3) $12.5 \times 2.50 = \text{.....}$

- a) 31.25 b) 3.125 c) 0.3125 d) 3125

[B] A dinner bill is 600 LE, there's 15 % tax. Calculate the bill after adding the tax.

[Q3] [A] Choose the correct answer:

(1) If a cube has an edge of 5 cm in length, then its surface area is cm^2

- a) 25 b) 125 c) 150 d) 100

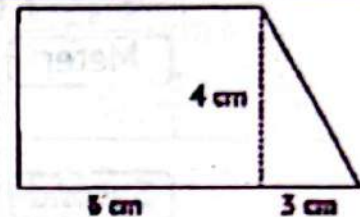
(2) $3.2 : 0.4$ $32 : 4$

- a) b) c) d)

(3) The number of heights of the right-angled triangle is

- a) 1 b) 2 c) 3 d) 5

[B] Find The area of the opposite trapezium ?



[Q4]

[A] If a square-based pyramid has a base area of 40 cm^2 and the area of its side is 15 cm^2 , then Find its surface area ?

[B] In the following table:

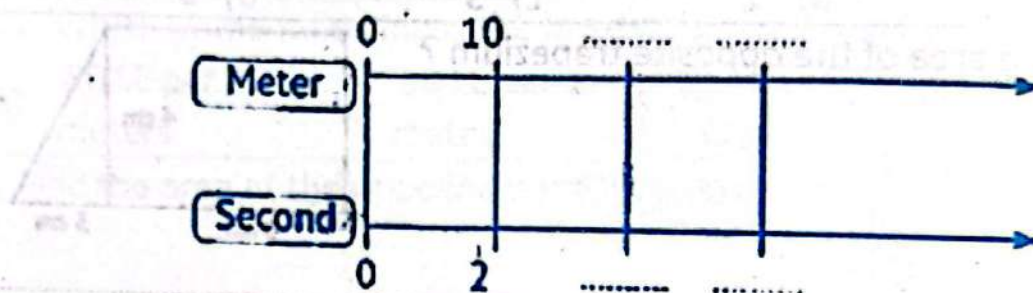
No. of Cake pieces	4	16
No. of Kg of Flour	0.5	X

↳ How many kilograms of flour are needed to make 16 pieces of cake

[Q5]

- [A] A car travels at a speed of 90 km / hr. Find the distance travelled in two and a half hours ?

- [B] By using the following double line:



- Calculate the unit rate, and then find the number of meters covered in 5 second.

End of the questions

Prim 6 - Model No**11****[Q1] [A] Choose the correct answer:**

(1) The distance between 4 and -4 on the number line equals units .

- a) 0 b) 4 c) 8 d) 16

(2) 50 % of 360 equals

- a) 50 b) 100 c) 180 d) 360

(3) Which of the following describes the relation $\frac{1}{2}$ of $\frac{1}{4}$ km?

- a) $\frac{1}{2} \times \frac{1}{4}$ b) $\frac{1}{2} \div \frac{1}{4}$ c) $\frac{1}{2} \div \frac{1}{2}$ d) $\frac{1}{2} + \frac{1}{4}$

[B] If a cube has an edge of 7 cm, Find its surface area ?

.....

.....

[Q2] [A] Choose the correct answer:

(1) $1.2 \times 1.2 = \dots\dots$

- a) 144 b) 14.4 c) 1.44 d) 0.144

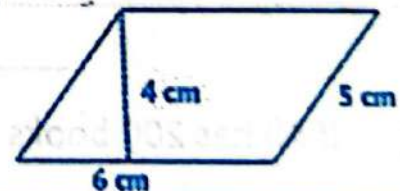
(2) The image of reflection of $(0, 5)$ on the X-axis is

- a) $(5, 5)$ b) $(0, -5)$ c) $(5, 0)$ d) $(-5, 0)$

(3) If a square has a side length of 5 cm and its perimeter is 20 cm, then the ratio between its side and its perimeter is :

- a) 1 : 4 b) 1 : 5 c) 5 : 1 d) 4 : 1

[B] Find the area of the opposite parallelogram?



[Q3] [A] Choose the correct answer:

(1) If the reciprocal of $\frac{2}{7}$ is $3\frac{x}{2}$, then $x = \dots\dots\dots$

- a) 7 b) 1 c) 3 d) 2

(2) All the following represents the rate of 4 factories of ceramic. The highest production rate is

- a) 200 cartons per hour b) 480 cartons per hour c) 300 cartons per hour d) 760 cartons per hour

(3) If the dimensions of a cuboid are 1.2 cm, 10 cm and 5 cm, then its volume is cm^3

- a) 60 b) 120 c) 600 d) 16.5

[B] Nehal distributed 0.25 Kg into bags. If the mass of each bag is 0.01 kg. How many bags are needed?

.....

.....

[Q4]

[A] Find The area of triangle whose base is 8 cm and its corresponding height is 6 cm ?

.....

.....

[B] If Ali has 200 books and 160 pens, then Find the ratio between the number of books and the number of pens ? (In the simplest form)

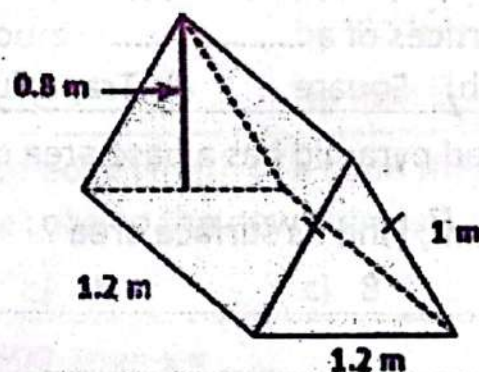
.....

.....

[Q5]

- [A] If the area of triangle 24 cm^2 , its base length is 8 cm , Find its corresponding height ?

- [B] Find the area of the opposite triangular prism:



End of the questions

Prim 6. - Model No**12****[Q1] [A] Choose the correct answer:**

(1) 60 % of is 72

a) 43.2

b) 1200

c) 432

d) 120

(2) $5 \div \frac{5}{3}$ $5 \times \frac{4}{5}$

a) >

b) =

c) <

d) Other wise

(3) The ordered pairs $(0, 0)$, $(0, -2)$, $(-2, -2)$ and $(-2, 0)$ represent the vertices of a

a) Triangle

b) Square

c) Trapezium

d) Rectangle

[B] If the square based pyramid has a base area of 80 cm^2 and the area of its sides is 30 cm^2 , Find its surface area ?
.....
.....**[Q2] [A] Choose the correct answer:**(1) Which of the following is an equivalent operation to $\frac{2}{3} \div \frac{1}{6}$?a) $4 + \frac{2}{3}$ b) $\frac{2}{3}$ c) $\frac{2}{3} \times 6$ d) $4 \times \frac{1}{4}$ (2) All the following ordered pairs lie in the 2nd quadrant, except.....a) $(-7, 5)$ b) $(2, -2)$ c) $(-1, 5)$ d) $(-2, 2)$ (3) The volume of cuboid whose dimensions 3, 4, cm. is 60 cm^3

a) 12

b) 5

c) 60

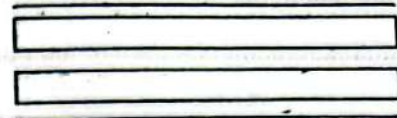
d) 240

[B] A merchant sold 60 kg of orange with 2220 L.E Find the price of a kilogram of orange?
.....
.....

[Q3] [A] Choose the correct answer:

(1) The unit of the rate of the opposite diagram is

250 km



5 hours

- a) 250 km per 5 hours b) 50 km per hour
c) 55 km per 2 hours d) 100 km per 2 hours

(2) If we doubled the edge length of a cube then The ratio between the volumes of a cube to the new cube is 1 :

- a) 2 b) 4 c) 8 d) 27

(3) If 10 % of $X = 1500$ then $x = \dots\dots$

- a) 15 b) 150 c) 1500 d) 1.5

[B] Find the volume of a cube its dimensions 5 cm., 4.8 cm, 2 cm. ?

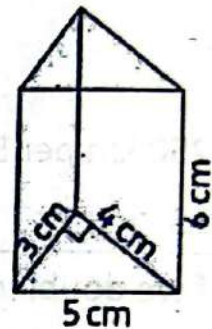
[Q4]

[A] If $\frac{x}{8} = 12.5\%$ then Find the value of X ?

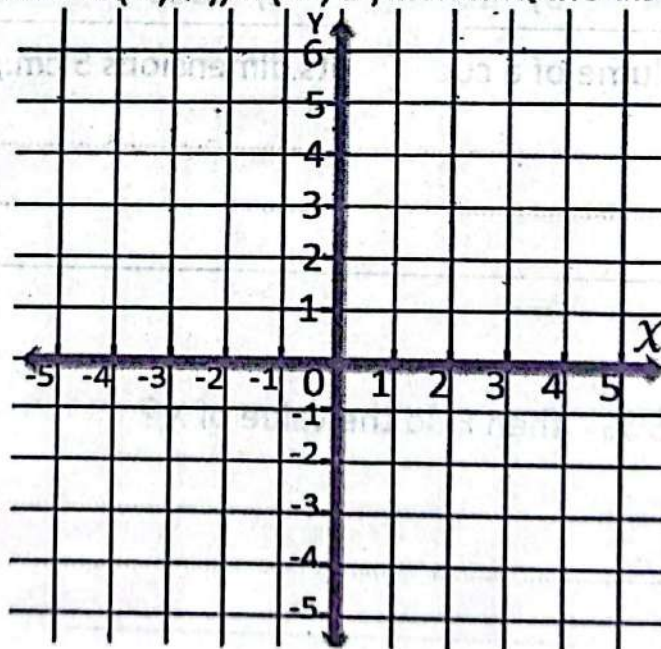
- [B] If Omar bought a TV set with 10 % discount from its price 34000, find what did Omar pay ?

[Q5]

- [A] Find the area triangular pyramid ?



- [B] Locate the following points on the coordinate plane and connect the points in order A (5, 5), B (5, 1) then find the distance of AB ?



End of the questions

Prim 6 - Model No

1

[Q1] [A] Choose the correct answer:

(1) The volume of cuboid whose dimensions 4, 3, 5 cm. is Cm^3

a) 47

b) 60

c) 72

d) 12

(2) $\frac{2}{5} \div \frac{1}{5} = \dots\dots\dots$

a) 2

b) $\frac{2}{25}$ c) $\frac{2}{5}$

d) 5

(3) $12 : 20 = \dots\dots\dots$ (in the simplest form)

a) 3 : 2

b) 5 : 7

c) 5 : 3

d) 3 : 5

[B] A merchant sold 50 kg of apple with 1550 L.E Find the price of a kilogram of apple ?

$$1550 \div 50 = 31 \text{ L.E}$$

[Q2] [A] Choose the correct answer:

(1) The image of the point $(-3, 3)$ by reflection on X axis isa) $(-3, 3)$ b) $(3, 3)$ c) $(3, -3)$ d) $(-3, 0)$

(2) The triangle has altitudes

a) 0

b) 1

c) 2

d) 3

(3) is the ratio between two different quantities

a) Ratio

b) Rate

c) Proportion

d) equivalent

[B] find the volume of a cuboid if its dimensions 10 cm. , 6 cm, 8 cm. ?

$$V = l \times w \times h = 10 \times 6 \times 8 = 480 \text{ cm}^3$$

[Q3] [A] Choose the correct answer:

(1) The point $(3, 0)$ lies on axis

- a) ☒ X b) ☐ Y c) ☐ O d) ☐ XY plane

(2) $\frac{4}{5} = \dots\dots\dots\%$

- a) 20 b) ☒ 80 c) 75 d) 0.8

(3) If the quadrilateral pyramid area base 60 cm^2 . the area of one face is 30 cm^2 . then area of total area is Cm^2 $60 + 120$

- a) 90 b) ☒ 180 c) 120 d) 150

[B] Find the area of triangle whose length base 8 cm. and its corresponding height 6 cm. ?

$$a = \frac{1}{2} \times b \times h = \frac{1}{2} \times 8 \times 6 = 24 \text{ cm}^2$$

[Q4]

[A] From the opposite proportion table

The price	75	? 50
month	3	2

Find the saved money during two months 50

[B] If the cube of edge length 1 cm. then Find its lateral surface area ?

$$a = 4L^2 = 4 \times 1^2 = 4 \text{ cm}^2$$

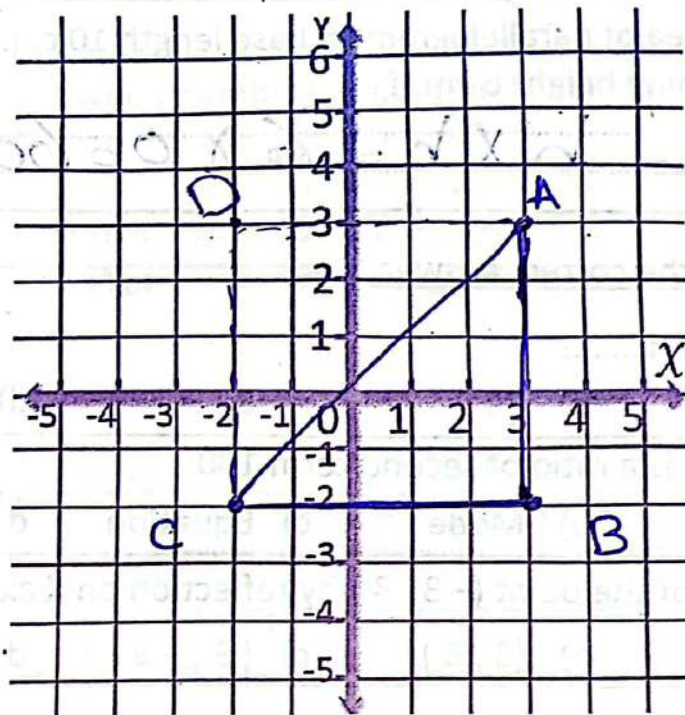
[Q5]

- [A] If Mahmoud bought a computer with 10 % discount from its price 15000, then find what Mahmoud paid ?

13500 L.E

- [B] Locate the following points on the coordinate plane and connect the points in order A (3, 3), B (3 , - 2), C (- 2 , - 2), determine the coordinate of D which make the figure square ?

D (- 2, 3)



Romany
Shawky
01062422131

End of the questions

Prim 6 - Model No

2

[Q1] [A] Choose the correct answer:

(1) $0.37 \times 0.1 = \dots\dots$

a) 3.7

b) 37.0

c) 0.370

d) 0.037

(2) Ayman read 45 pages in 15 days, then the rate of his performance = pages / day

a) 8

b) 12

c) 3

d) 20

(3) The distance between $(-3, -10)$, $(-3, 4)$ is Unit

a) 4

b) 14

c) 6

d) 10

[B] Find the area of parallelogram its base length 10 cm., its corresponding height 6 cm. ?

$$A = b \times h = 6 \times 10 = 60$$

[Q2] [A] Choose the correct answer:

(1) $27 : 45 = \dots : \dots$

a) 3 : 5

b) 3 : 9

c) 9 : 8

d) 5 : 3

(2) is a ratio of second term 100

a) Rate

b) Mode

c) Equation

d) percentage

(3) The image of the point $(-3, 3)$ by reflection on X axis is $(-3, -3)$ a) $(-3, 3)$ b) $(3, 3)$ c) $(3, -3)$ d) $(-3, 0)$

[B] Find the area of quadrilateral pyramid whose edge length 4 m. ?

[Q3] [A] Choose the correct answer:

(1) When we plot the ordered pair (4 , 3) in the coordinate plane we move Horizontal units on X-axis

- a) 4 b) 3 c) 7 d) 12

(2) The two lines never intersecting

- a) Parallel b) Intersecting c) Perpendicular d) coincides

(3) Area of parallelogram = \times corresponding height

- a) Base b) Triangle c) Half base d) edge

[B] The ratio between numbers of lions and cats is 2 : 7 and the sum of them is 45. Find the number of each ?

$$45 \div 9 = 5$$

$$\text{Lion} \Rightarrow 5 \times 2 = 10$$

$$\text{Cat} \Rightarrow 5 \times 7 = 35$$

[Q4]

[A] If $\frac{4}{x+1} = \frac{2}{5}$, then Find the value x ?

$$x + 1 = 10 \quad \boxed{x = 9}$$

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[B] If $0.024 \div 0.3 = b$, then Find the value of b ?

$$\begin{array}{r} \times 10 \\ \times 10 \end{array} \quad 0.24 \div 3 = 0.08$$

[Q5]

- [A] A man bought a TV. set. He was given a 15% discount of its marked price which was 8,500 L.E. Find its price after discount?

$$15\% \times 8500 = \frac{15}{100} \times 8500 = 1275 \text{ discount}$$

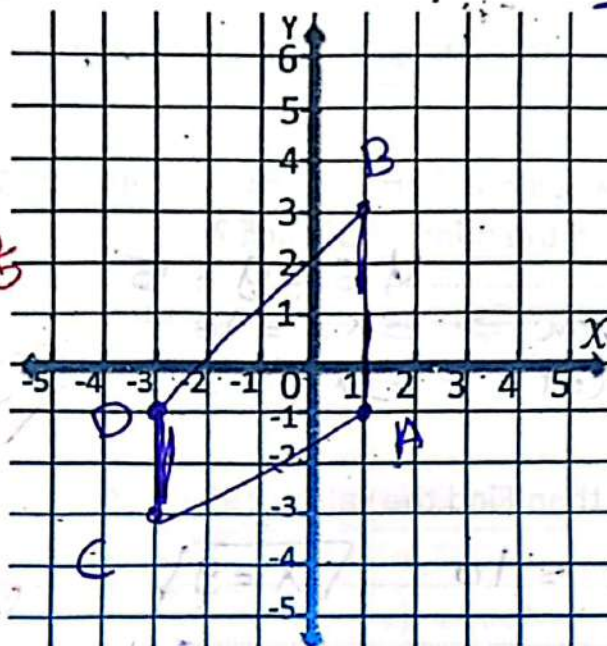
Price after discount 8500

- [B] Plot the points on the coordinate plane:

A(1,-1), B(1,3), C(-3,-3), D(-3,-1),

What is the name of the figure ABCD?

Trapezoid



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End of the questions

Prim 6 - Model No

3

[Q1] [A] Choose the correct answer:

(1) $13.31 \div 0.11 = \dots \div 11$

a) $\frac{1,331}{100}$

b) 1.331

c) 133.1

d) 0.1331

(2) $\frac{1 \text{ km}}{1000}$ is a conversion factor

a) 2 hours

b) 100 cm

c) 1,000 m

d) $\frac{1,000 \text{ km}}{1000}$

(3) The area of parallelogram =

a) $b + h$

b) $b \times h$

c) $(b + h) \times 2$

d) $\frac{b}{h}$

[B] If the ratio between two numbers is 3:5 and the smaller one is 15, then find the greater one?

$3 : 5$

Greater one = 25

$15 : \dots$

[Q2] [A] Choose the correct answer:

(1) $\dots \div \frac{3}{5} = \frac{3}{2}$

a) $\frac{2}{5}$

b) $\frac{5}{2}$

c) $\frac{6}{10}$

d) $\frac{9}{10}$

(2) In the opposite figure:

$BC : AE = \dots$

a) 2:5

b) 1:3

c) $\frac{1}{4}$

d) 4:1

(3) If we double the edge length of a cube then The ratio between the volumes of a cube to the new cube is 1 :

a) 8

b) 3

c) $\frac{1}{2}$

d) 4

[B] Find the volume of the cuboid of area base 28 cm^2 , and its height 7.4 cm?

$$\begin{array}{r}
 2 \\
 74 \\
 \times 28 \\
 \hline
 588 \\
 1480 \\
 \hline
 2072
 \end{array}$$

$$V = a \times h = 28 \times 7.4$$

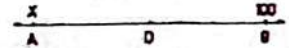
$$207.2 \times 10 = 2072 \text{ cm}^3$$

[Q3] [A] Choose the correct answer:

(1) The next ratio of $2:5$, $6:15$, $18:45$,a) $54:135$ b) $54:90$ c) $36:90$ d) $54:180$ (2) 3.25×0.12 32.5×0.012 a) $>$ b) $<$ c) $=$

d) otherwise

(3) In the opposite figure :

If the distance between A and B is 200 then $x =$

a) 100

b) -100

c) 200

d) -200

[B] In a Maths exam, Yasser got 80% and Fayez got 45 marks out of 50 which of them has got a better score. What is the difference between their scores?

$$\frac{45}{50} \times 100 = 90\% \quad | \quad 90\% - 80\% = 10\%$$

Yasser 80%, Fayez 90%

[Q4]

[A] Calculate the surface area of the opposite triangular prism.

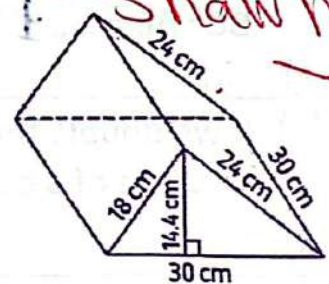
$$A_{\Delta_2} = \frac{1}{2} \times b \times h \times 2$$

$$\frac{1}{2} \times 30 \times 14.4 \times 2 = 432$$

$$A_{\square_1} = l \times w = 30 \times 24 = 720$$

$$A_{\square_2} = 30 \times 18 = 540$$

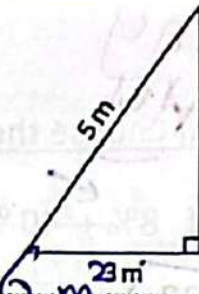
$$A_{\square_3} = 30 \times 30 = 900$$



$$\begin{array}{r} 432 \\ + 720 \\ + 540 \\ + 900 \\ \hline 2592 \text{ cm}^2 \end{array}$$

[B] In the opposite figure :

Find the area of the opposite figure ?

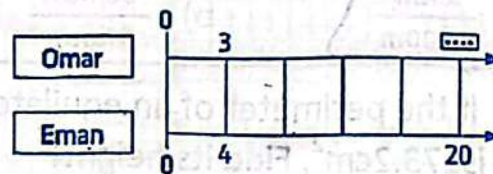


$$a = \frac{1}{2} \times b \times h = \frac{1}{2} \times 3 \times 4 = 6 \text{ m}^2$$

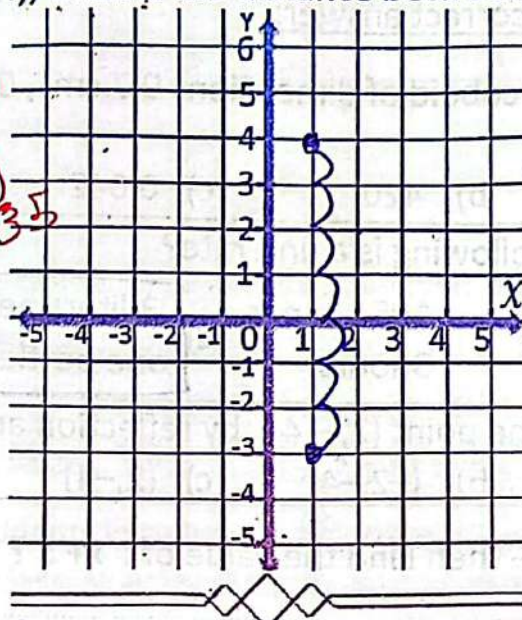
[Q5]

[A] From the opposite double number line , if the ratio between Omar saved and Salma saved was 3 : 4 if Salma saved 20 L.E: then Omar saved L.E.

15



[B] Plot A(1,-3), B(1,4), what is the distance between A and B ?



7

$$A(1, -3), B(1, 4)$$

$$3 + 4 = 7 \text{ u.l}$$

End of the questions

Prim 6 - Model No

4

[Q1] [A] Choose the correct answer:

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(1) If $B\% + 40\% + 40\% = 1$, then the value of B =

a) 20

b) 100

c) 40%

d) 20%

(2) The point $(2, -3)$ lies in quadrant .

a) First

b) Second

c) Third

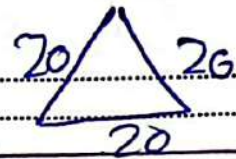
d) fourth

(3) Which of the following is NOT a conversion factor ?

a) $\frac{1 \text{ km}}{1,000 \text{ m}}$ b) $\frac{60 \text{ min}}{1 \text{ hour}}$ c) $\frac{90 \text{ km}}{\text{hour}}$ d) $\frac{1 \text{ day}}{24 \text{ hours}}$ [B] If the perimeter of an equilateral triangle is 60 cm and its area is 173.2 cm^2 , Find its height?

$$\text{side} = P \div 3 = 60 \div 3 = 20$$

$$h = 2a \div b = 346.4 \div 20 = 17.32$$



[Q2] [A] Choose the correct answer:

(1) The volume of cuboid of dimensions 0.7 cm., 0.6 cm., 10 cm. is

 cm^3

a) 42

b) 420

c) 0.042

d) 4.2

(2) Which of the following is a unit rate?

a) 20 L.E. per 2 kg

b) 105 km per 3 hours

c) 3 liters per one bottle

d) 8 spoons of square for 4 cups of tea

(3) The image of the point $(2, -4)$ by reflection across x-axis isa) $(2, 4)$ b) $(-2, -4)$ c) $(2, -4)$ d) $(-2, 4)$ [B] If $\frac{8}{9} \div \frac{4}{3} = \frac{x}{3}$, then Find the value of : $x + 3$?

$$\frac{28}{39} \times \frac{3}{4} = \frac{2}{3} = \frac{x}{3}$$

$$x = 2$$

$$x + 3 = 5$$

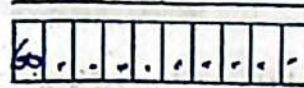
[Q3] [A] Choose the correct answer:

- (1) The area of triangle of base length 10 cm. and its corresponding height 4.8 is cm^2

a) 48 b) 24 c) 4.8

d) 2.4

- (2) From the opposite tape diagram
X =



60x10

a) 60 b) 240 c) 400

d) 600

- (3) You can use the opposite model to solve the problem



a) $\frac{1}{10} \div \frac{1}{2}$

b) $\frac{1}{10} \div 5$

c) $\frac{1}{2} \div 5$

d) $\frac{1}{2} \div 10$

- [B] if the ratio 7 : 11 is equivalent to the ratio x : 7.7 then Find the value of x?

$$7 : 11 = x : 7.7$$

$$\frac{7}{11} = \frac{x}{7.7} \quad x = \frac{7.7 \times 7}{11} = 4.9$$

[Q4]

- [A] Find The surface area of the opposite triangular prism ?

$$a\Delta = \frac{1}{2} \times b \times h \times 2 = \frac{1}{2} \times 3 \times 4 \times 2 = 12$$

$$a\Box_1 = l \times w = 6 \times 4 = 24$$

$$a\Box_2 = 6 \times 3 = 18 \quad a\Box_3 = 6 \times 5 = 30$$



$$a = 12 + 24 + 18 + 30 = 84$$

- [B] If 20% of the students in a class are wearing black. There are 40 students in the class. How many students are wearing black?

$$20\% \times 40 =$$

$$\frac{20}{100} \times 40 = 8 \text{ students}$$

[Q5]

[A] In the opposite ratio table?

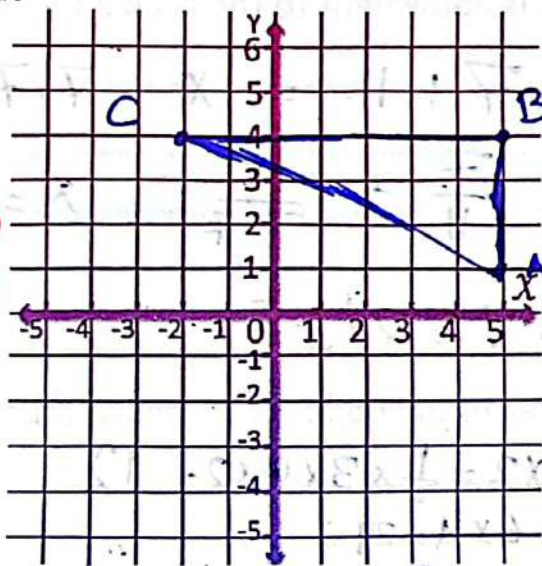
Kg	1	2	3	4
L.E.	x	100	y	200

Find the value of $x + y$?

$$x = 50 \quad y = 150$$

$$x + y = 150 + 50 = 200$$

[B] Locate the following points on the coordinate plane and connect the points in order A (5, 1), B (5, 4), C (-2, 4), determine the coordinate of D which make the figure rectangle? what its area?



End of the questions

Prim 6 - Model No

5

[Q1] [A] Choose the correct answer:

(1) Which ratio means the same thing as 1 : 4 ?

a) 4 through 1

b) 1 to 1

c) $\frac{4}{1}$ d) 1 to 4(2) The volume of cuboid of dimensions 12 cm., 9.5 cm., 10 cm..... is cm^3

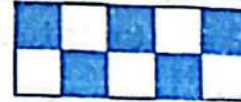
a) 114

b) 1140

c) 11.4

d) 1,14

(3) The percentage of the shaded part to whole figure = %



a) 5

b) 0.5

c) 50

d) 10

[B] The total number of boys and girls in a school is 540, if the number of boys in this school is 300. Find The ratio between the number of boys and the number of girls?

9 : 5

boy : girl

540 : 300

 $\Rightarrow 54 : 30 \div 6$

[Q2] [A] Choose the correct answer:

(1) Which of the following is NOT a unit rate?

a) 140 L. E weekly

b) 25 L.E. for each kg

c) 0.2 kg of flour per cup cake

d) 90km per 60 minutes(2) If The reciprocal of $\frac{4}{9}$ is $\frac{m}{4}$ then $m + 1 =$ a) 9

b) 10

c) 3

d) 5

(3) If the side length of a rhombus is 10 cm and its height 3.4 cm, then it's area is cm^2

a) 3.04

b) 3.40

c) 34

d) 0.34

[B] In a mathematics exam, Rihana got 38 marks of 40 marks. Find the percentage of the marks she got?

$$\frac{38}{40} \times 100 = 95\%$$

[Q3] [A] Choose the correct answer:

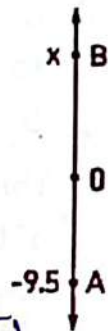
(1) To find value of D in equation $D \div \frac{5}{7} = \frac{1}{6}$, we use operation

- a) division b) Multiplication c) Addition d) subtraction

(2) A point is located 3 units to the right of the origin point and 2 units up, then the point is (3, 2)

- a) (3, -2) b) (3, 2) c) (-3, -2) d) (-3, 2)

(3) If $AB = 20$ units then $x = \dots\dots$



- a) 9.5 b) 20 c) 10 d) 10.5

[B] If the perimeter of one face in a cube is 60 mm, then Find its surface area ?

$$s = 15$$

$$A = 6L^2 = 6 \times 15 \times 15 = 1350 \text{ mm}^2$$

[Q4]

[A] If you need to buy 1.5 kilograms of apples for your mother at a cost of 40.50 L.E. per kilogram, how much would you pay?

$$1.5 \times 40.50 = 60.75$$

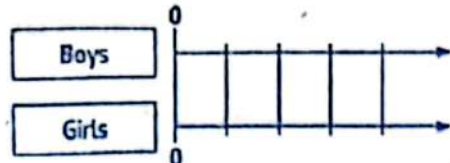
- [B] If the ratio between two numbers is 2 : 3 and the first number is 6, then find the second number ?

$$\begin{array}{rcl} 2 & : & 3 \\ 6 & : & ? \\ \hline \text{second number} & = & 9 \end{array}$$

[Q5]

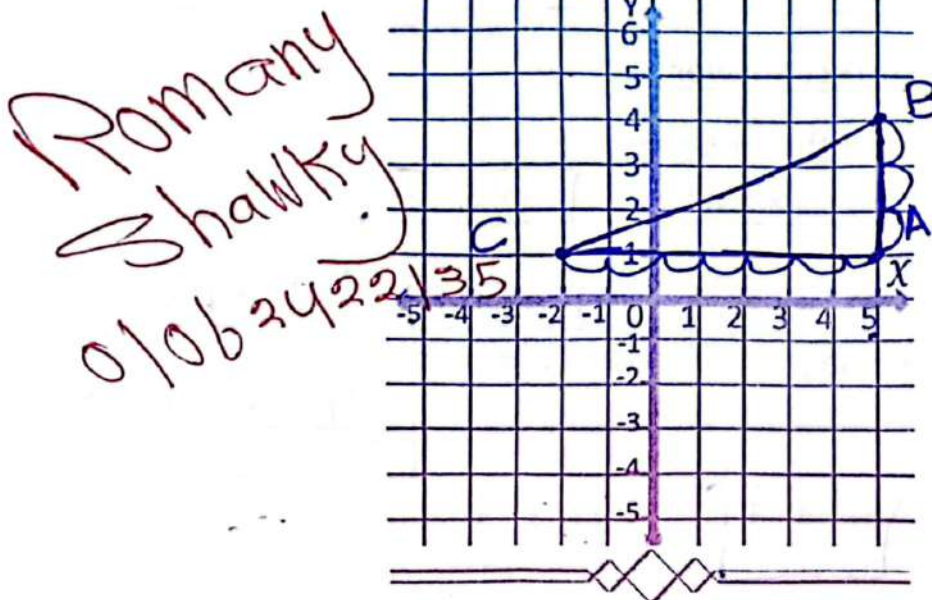
- [A] From opposite double number line:

If the ratio between the numbers of boys to girls is 5 : 6 $5+6=11$ and the total of boys and girls is 44 pupils, then Find the number of girls ?



$$\begin{aligned} 44 \div 11 &= 4 \\ \text{boy} &= 4 \times 5 = 20 \\ \text{Girl} &= 4 \times 6 = 24 \end{aligned}$$

- [B] Locate the following points on the coordinate plane and connect the points in order A (~~5~~ 1), B (~~5~~ , 4), C (- 2 , 1), What is the name of the figure ? Find the area of the figure ?



triangle

$$\begin{aligned} a &= \frac{1}{2} \times b \times h \\ &= \frac{1}{2} \times 7 \times 3 \\ &= \frac{21}{2} = 10.5 \end{aligned}$$

End of the questions

Prim 6 - Model No

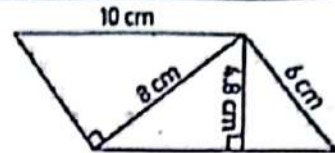
6

[Q1] [A] Choose the correct answer:

(1) If the price of a shirt is 280 L.E. before discount 10 % then the discount isL.E.

- a) 2.8 b) 28 c) 252 d) 270

(2) Which of the following equations Represents the area of parallelogram ?



- a) $8 \times 6 = 48 \text{ cm}^2$ b) $6 \times 4.8 = 28.8 \text{ cm}^2$ c) $8 \times 4.8 = 38.4 \text{ cm}^2$ d) $8 \times 10 = 80 \text{ cm}^2$

(3) The point Lies in the first quadrant

- a) (2, -3) b) (-1, -4) c) (-4, 3) d) (3, 5)

[B] If 437.5 L.E. is distributed among the excellent pupils and each of them takes 175 L.E. Find the number of excellent pupils?

$437.5 \div 175 = 25$ pupils.

[Q2] [A] Choose the correct answer:

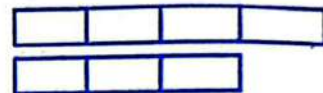
(1) The surface area of the cube =

- a) S^2 b) $S \times S \times S$ c) $6 \times S \times S$ d) $S + S + S$

(2) $0.453 \times 0.1 = \dots\dots\dots$

- a) 0.0543 b) 4.53 c) 0.0453 d) 0.453

(3) The opposite tap diagram represent the ratio



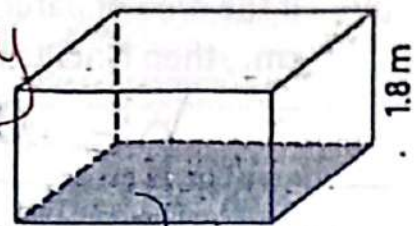
- a) 3 : 4 b) 4 : 3 c) 1 : 3 d) 3 : 5

[B] Find the volume of the opposite cuboid ?.

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$$V = A \times h = 36 \times 1.8$$

$$64.8 \text{ m}^3$$



Area = 36 m^2

[Q3] [A] Choose the correct answer:

0/0 624.22 135

(1) A car consumes 0.1 liter of petrol to cover 1 km, then it covers ... km/liter

- a) 1 b) 5 c) 10 d) 20

(2) $1 - 35\% = \dots\dots$

- a) 65 b) 6.5 c) 0.65 d) 34

(3) $60 \text{ m/min} = \dots\dots \text{ m/sec}$

- a) 1 b) 60 c) 3600 d) 120

[B] In the opposite figure :

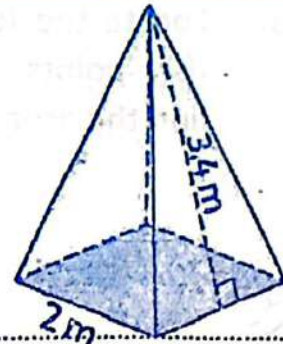
Find the area of the square – based pyramid?

$$A_{\square} = 2 \times 2 = 4$$

$$A_{\Delta} = \frac{1}{2} \times b \times h \times 4$$

$$= \frac{1}{2} \times 2 \times 3.4 \times 4$$

$$4 + 13.6 = 17.6$$



[Q4]

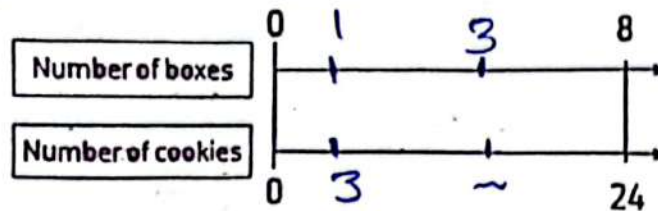
[A] Each stone block in the Great Pyramid has a mass of about 2,300 kg. How much is the mass of one block in grams?

- [B] If the area of parallelogram with area 4.6 cm^2 . And base length 0.6 cm , then Find its corresponding height ?

$$h = a \div l = 4.6 \div 0.6 \approx 7.6$$

[Q5]

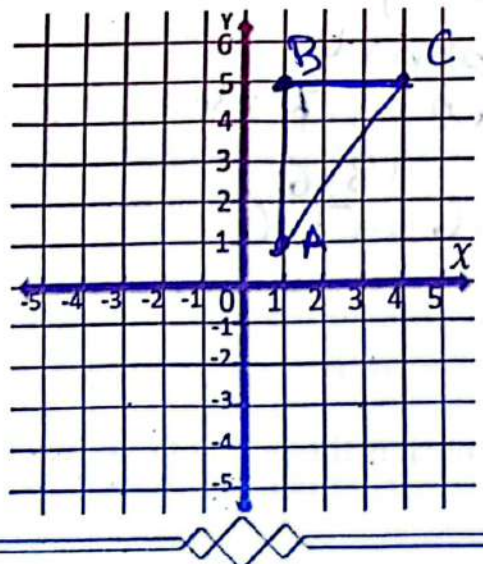
[A] From opposite double number line:



There are 24 cookies in 8 boxes,
then Find the number of cookies in 3 boxes ?

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- [B] Locate the following points on the coordinate plane and connect the points in order A (1, 1), B (1, 5), C (4, 5), find the area of triangle ABC ?



$$\begin{aligned} \Delta &= \frac{1}{2} \times \text{base} \times \text{height} \\ &= \frac{1}{2} \times 3 \times 4 \\ &= 6 \end{aligned}$$

End of the questions

Prim 6 - Model No

7

[Q1] [A] Choose the correct answer:

(1) The point Lies in the first quadrant

a) (2, -3)

b) (-1, -4)

c) (-4, 3)

d) (3, 5)

(2) If $24 \times 96 = 2,304$ then $2,304 \div 9.6 = \dots\dots\dots$

a) 24

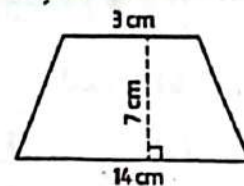
b) 2.4

c) 0.24

d) 240

(3) The surface area of opposite trapezium =

59.5



a) 56

b) 77

c) 98

d) 38.5

[B] From the opposite table

whole	part	percent
x	54	20%

Find the value of x ?

$$\frac{54}{x} = \frac{20\%}{100} \Rightarrow \frac{54}{x} = \frac{20}{100} = \frac{1}{5}$$

$$x = 5 \times 54 = 270$$

[Q2] [A] Choose the correct answer:

(1) The height of a rhombus is 5 cm., and its area 35 cm^2 . Its perimeter....

a) 7

b) 14

c) 28

d) 70

(2) A point is located 5 units to the right of the origin point and 2 units up, then the point is

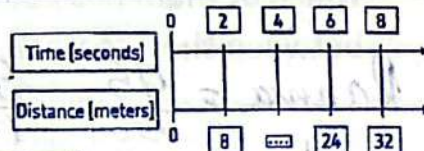
a) (-5, 2)

b) (5, -2)

c) (-5, -2)

d) (5, 2)

(3) The opposite double number line represent the missing number is



a) 8

b) 12

c) 16

d) 18

- [B] If number of pupils in a school 700 . One day 10 % of them were absent find the number of the present pupils that day?

Absent $700 \times 10\% = 70$
 Present = $700 - 70 = 630$

[Q3] [A] Choose the correct answer:

- (1) A car covered 240 km in 3 hours, then its speed = Km / hour

a) 720 b) 72 c) 80 d) 8

(2) $\frac{4}{5} \div \frac{4}{5} = \frac{4}{5} \times \dots\dots\dots$

a) $\frac{4}{5}$ b) $\frac{5}{4}$ c) 1 d) 1 %

- (3) If $a : b = 1 : 4$, $b = 24$, then $a = \dots\dots 6$

a) 5 b) 10 c) 15 d) 20

[B] Find The area of the opposite triangle ?

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$a = \frac{1}{2} \times b \times h = \frac{1}{2} \times 3 \times 7$

$\frac{21}{2} \text{ m}^2$



[Q4]

- [A] In a math's exam, Salma got 95% and Rahma got 45 marks out of 50 which of them has got a better score. What is the difference between their scores?

Rahma = $\frac{45}{50} \times \frac{90}{100} = 90\%$

Salma = 95%

Salma is better.

- [B] If the perimeter of an equilateral triangle is 60 cm. and its height 5 cm. find its area?

$20 \triangle 20$

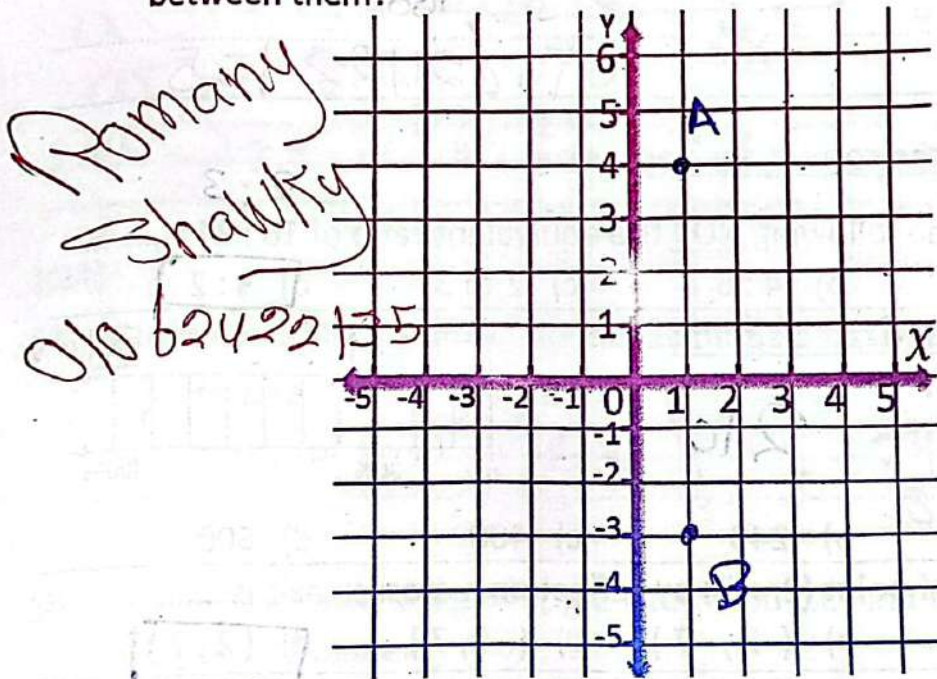
$$A = \frac{1}{2} b \times h = \frac{1}{2} \times 20 \times 5 = 50 \text{ cm}^2$$

[Q5]

- [A] If Soad bought 2 kg of orange for 30 L.E., then Find what she paid to buy 6 kg ?

$2 \text{ kg} \quad 30$
 $6 \quad 90$

- [B] graph the following points on the coordinate plane and connect the points in order A (1 ; 4), B (1 ; - 3), then find the distance between them?



A (1, 4)
B (1, -3)

$4 + 3$
 $= 7$

End of the questions

Prim 6 - Model No

8

[Q1] [A] Choose the correct answer:

(1) The reciprocal of 5 is

a) 5

b) -5

c) $\frac{1}{5}$ d) $-\frac{1}{5}$

(2) 20 % of 600 =

a) 1200

b) 120

c) 12

d) 0.12

(3) If The point (2, 5) is moved 2 units to the right and 4 units down then the point A will be (4, 1)

a) (4, 9)

b) (4, 1)

c) (0, 9)

d) (2, 1)

[B] If There are 80 students in the class, 20% of the students of them wearing black.. How many students are wearing black ?

$$80 \times 20\% = 80 \times \frac{20}{100} = 16$$

$$0 \ 10 \ 20 \ 30 \ 40 \ 50 \ 60 \ 70 \ 80 \ 90 \ 100$$

[Q2] [A] Choose the correct answer:

(1) Which of the following NOT the equivalent ratio of 16 : 24 = $2 : 3$

a) 8 : 12

b) 4 : 6

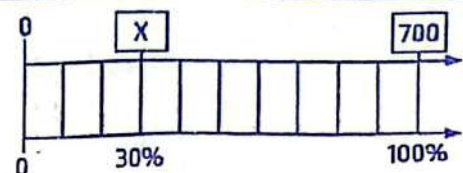
c) 2 to 3

d) 3 : 2

(2) From opposite tap diagram:

The value of x =

210



a) 60

b) 240

c) 400

d) 600

(3) The image of point (2, -7) by reflection a cross x- axis is

a) (2, -7)

b) (-2, -7)

c) (-2, 7)

d) (2, 7)

[B] If The area of parallelogram with base length 6.8 cm. and its corresponding height is 7 cm. ?

$$A = b \times h = 6.8 \times 7 = 47.6 \text{ cm}^2$$

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[Q3] [A] Choose the correct answer:

(1) Which of the following is NOT a unit rate?

- a) 90 km per 60 minutes b) 140 L.E. weekly c) 1 kg of flour per a cake d) 25 L.E per each kg

(2) The volume of cuboid whose dimensions 2, 3, cm. is 24 cm^3

- a) 2 b) 144 c) 12 d) 4

(3) $5 \div \frac{2}{3} = \dots\dots\dots$

- a) 15 b) $\frac{10}{3}$ c) $7\frac{1}{2}$ d) $\frac{2}{15}$

[B] Find The surface area of opposite triangular prism?

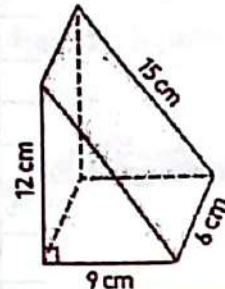
$$AD = \frac{1}{2} \times b \times h \times 2 = \frac{1}{2} \times 9 \times 12 \times 2 = 108$$

$$AD_1 = 15 \times 6 = 90$$

$$AD_2 = 9 \times 6 = 54$$

$$AD_3 = 12 \times 6 = 72$$

$$\begin{array}{r} 108 \\ 90 \\ 54 \\ 72 \\ \hline 324 \text{ cm}^2 \end{array}$$



[Q4]

[A] Lana has 6 liters of milk. She needs to divide it into small bottles of $\frac{3}{4}$ liters each. How many bottles will she need?

$$6 \div \frac{3}{4} = \frac{6}{1} \times \frac{4}{3} = \frac{24}{3} = 8$$

[B] A merchant sold 50kg of apple with 4550 L.E Find the price of a kilogram of apple?

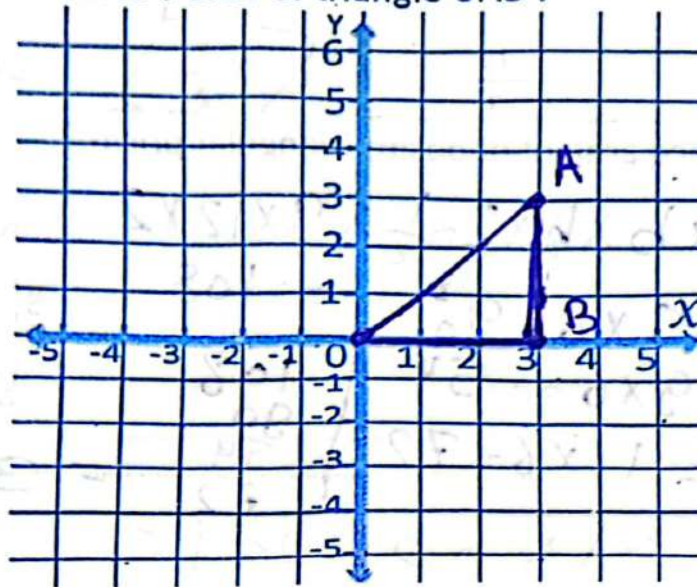
$$4550 \div 50 = 91$$

[Q5]

- [A] Find the volume of a cuboid if its dimensions 10 cm., 3.6 cm, 4 cm.
?

$$V = 10 \times 3.6 \times 4 = 144 \text{ cm}^3.$$

- [B] Locate the following points on the coordinate plane and connect the points in order A (3, 3), B (3, 0), O is origin point then find the distance of AB ? area of triangle OAB ?



End of the questions

$$A = \frac{1}{2} \times b \times h = \frac{1}{2} \times 3 \times 3 = 4\frac{1}{2}$$

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Prim 6 - Model No

9

[Q1] [A] Choose the correct answer:

(1) The Conversion factor for convert km to m is

- a) Km / hour b) Km / m c) $\frac{1000 \text{ km}}{60 \text{ sec}}$ d) 1000

(2) The point (0, 3) lies on axis .

- a) X b) Y c) O d) XY plane

(3) The cuboid of dimensions are equal and each is 10 cm. then its volume is....

- a) 600 b) 1000 c) 10 d) 100

[B] If the ratio between what Ali has to what Mona has 3 : 5 ,and

Mona has 100 pounds then Find what Ali has ?

$3 : 5$
 $\frac{3}{5} = \frac{x}{100}$
 $3 \times 20 = 60$

[Q2] [A] Choose the correct answer:

(1) The reciprocal of $\frac{2}{5}$ is

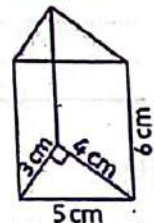
- a) 2 b) $-\frac{5}{2}$ c) $\frac{5}{2}$ d) $-\frac{2}{5}$

(2) The area triangular pyramid is Cm^2

$\begin{array}{r} 12 \\ + 30 \\ 24 \\ 18 \end{array}$

34

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- a) 72 b) 42 c) 84 d) 60

(3) 65 % of 44 44 % of 65

- a) < b) > c) = d) Otherwise

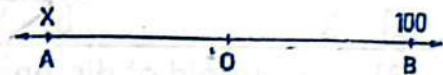
[B] If $\frac{x}{4} = 25\%$ then Find the value of x ?

$$x = 1$$

[Q3] [A] Choose the correct answer:

(1) If the distance between A and B is 200

, then $x = \dots\dots 100$



a) 2

b) 8

c) 5

d) 3

(2) $0.8 \times 0.7 \dots\dots 8 \times 0.07$

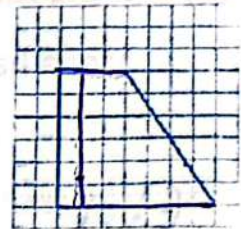
a) >

b) <

c) =

d) Other wise

(3) The area of opposite trapezoid is..... square unit



a) $28 - 6$

b) $28 + 6$

c) $16 + 12$

d) $16 - 12$

[B] From the opposite proportion table

kg	1	2	3	4
L.E.	50	100	150	200

Find the missing numbers?

[Q4]

[A] Ali bought a TV set with 10 % discount from its price 25000, then find what did Ali pay ?

$$\text{discount} = 25000 \times 10\% = 2500$$

$$\text{he paid} = 25000 - 2500 = 22500$$

- [B] Which is greater: the area of a triangle whose base is 12 cm and its corresponding height 8 cm, or the area of a parallelogram whose base is 8 cm and its corresponding height 4 cm

$$a\Delta = \frac{1}{2} \times b \times h = \frac{1}{2} \times 12 \times 8 = 48 \text{ cm}^2$$

$$a\Box = b \times h = 8 \times 4 = 32 \text{ cm}^2$$

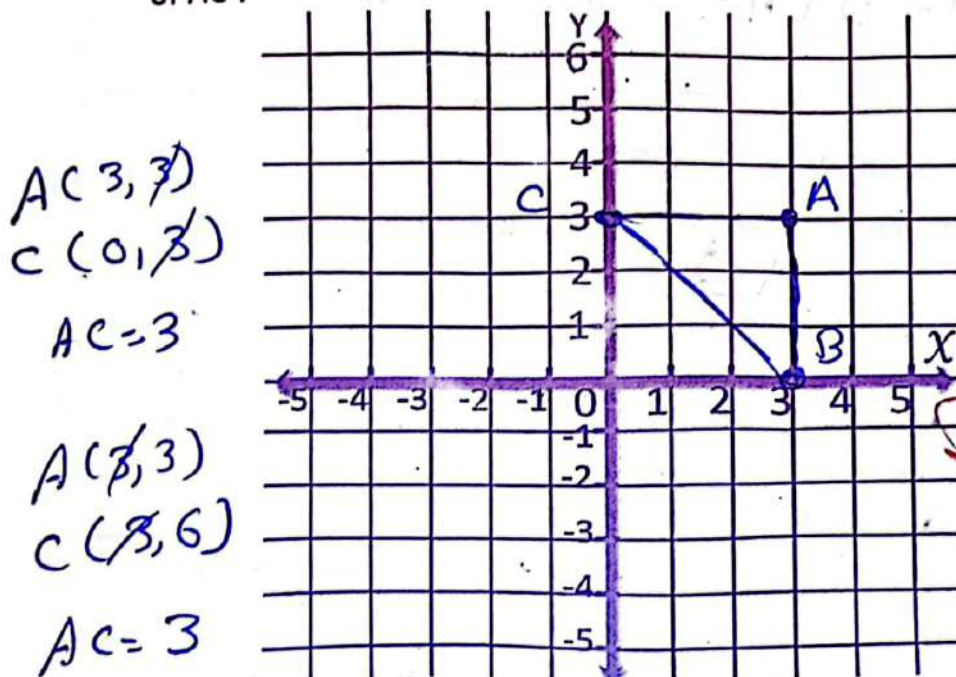
Δ is greatest

[Q5]

- [A] Bilal cuts a piece of wood of length 20 m into equal parts of $\frac{1}{5}$ m long, How many pieces of wood parts?

$$20 \div \frac{1}{5} = 20 \times \frac{5}{1} = 100 \text{ pieces.}$$

- [B] Locate the following points on the coordinate plane and connect the points in order A (3, 3), B (3, 0), C (0, 3), then find the distance of AC?



AC = 3 unit

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End of the questions

Prim 6 - Model No

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[Q1] [A] Choose the correct answer:

(1) The image of the point (5 , 5) by reflection on X-axis is

- a) (0 , 5) b) (- 5 , 5) c) (5 , - 5) d) (- 5 , - 5)

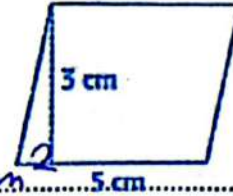
(2) Which of the following isn't equivalent ratio to 3 : 4 ?

- a) 75 % b) $\frac{6}{8}$ c) ~~0.75~~ d) $\frac{5}{4}$

(3) Which of the following is the lowest cost in buying?

- a) 80 LE per 2 meters b) 50 LE per a meters c) 55 LE per a meters d) 100 LE per 3 meters

[B] Find the area of the opposite parallelogram?



Romany
 $b \times h = 5 \times 3 = 15 \text{ cm}^2$

[Q2] [A] Choose the correct answer:

(1) The distance between (- 3 , 4) and the x-axis is units

- a) 3 b) 4 c) 7 d) 1

(2) $9 \text{ Km} \times \frac{\dots}{\dots} = 9000 \text{ m}$

- a) $\frac{1000 \text{ m}}{1 \text{ Km}}$ b) $\frac{1900 \text{ g}}{1 \text{ Kg}}$ c) $\frac{100 \text{ m}}{1 \text{ Km}}$ d) $\frac{1 \text{ km}}{1000 \text{ m}}$

(3) $12.5 \times 2.50 = \dots\dots\dots$

- a) 31.25 b) 3.125 c) 0.3125 d) 3125

[B] A dinner bill is 600 LE, there's 15 % tax. Calculate the bill after adding the tax.

$\text{tax} = 600 \times 15\% = \frac{600}{1} \times \frac{15}{100} = 90$

$\text{bill} = 600 + 90 = 690$

[Q3] [A] Choose the correct answer:

(1) If a cube has an edge of 5 cm in length, then its surface area is cm^2

- a) 25 b) 125 c) 150 d) 100

(2) $3.2 : 0.4 = 32 : 4$

- a) b) c) d)

(3) The number of heights of the right-angled triangle is

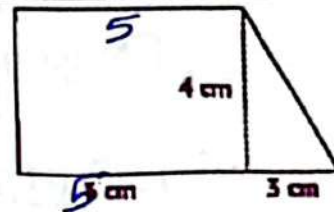
- a) 1 b) 2 c) 3 d) 5

[B] Find The area of the opposite trapezium ?

$$a = \frac{b_1 + b_2}{2} \times h$$

$$\frac{5 + 8}{2} \times 4$$

$$26 \text{ cm}^2$$



[Q4]

[A] If a square-based pyramid has a base area of 40 cm^2 and the area of its side is 15 cm^2 , then Find its surface area ?

$$a = 40 + (15 \times 4) = 100 \text{ cm}^2$$

[B] In the following table:

No. of Cake pieces	$4 \times 4 \rightarrow$	16
No. of Kg of Flour	$0.5 \times 4 \rightarrow$	$x = 2$

How many Shawarma

How many kilograms of flour are needed to make 16 pieces of cake

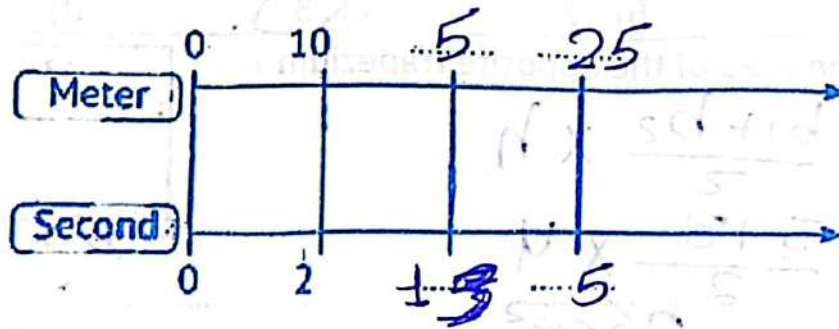
$$x = 2$$

[Q5]

- [A] A car travels at a speed of 90 km / hr. Find the distance travelled in two and a half hours ?

$$90 \times 2\frac{1}{2} = 90 \times \frac{5}{2} = 225 \text{ km in } 2\frac{1}{2} \text{ hr}$$

- [B] By using the following double line:



- Calculate the unit rate, and then find the number of meters covered in 5 second.

$$\frac{m}{sec} \quad \frac{10}{2} = \frac{5}{1} = \frac{25}{5}$$

End of the questions

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Prim 6 - Model No

11

[Q1] [A] Choose the correct answer:

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(1) The distance between 4 and -4 on the number line equals units .

a) 0

b) 4

c) 8

d) 16

(2) 50 % of 360 equals

a) 50

b) 100

c) 180

d) 360

(3) Which of the following describes the relation $\frac{1}{2}$ of $\frac{1}{4}$ km?a) $\frac{1}{2} \times \frac{1}{4}$ b) $\frac{1}{2} \div \frac{1}{4}$ c) $\frac{1}{2} \div \frac{1}{2}$ d) $\frac{1}{2} + \frac{1}{4}$

[B] If a cube has an edge of 7 cm, Find its surface area ?

$$A = 6 \times 5 \times 5 = 6 \times 7 \times 7 = 6 \times 49 = 294 \text{ cm}^2$$

[Q2] [A] Choose the correct answer:

(1) $1.2 \times 1.2 = \dots\dots$

a) 144

b) 14.4

c) 1.44

d) 0.144

(2) The image of reflection of (0, 5) on the X-axis is

a) (5, 5)

b) (0, -5)

c) (5, 0)

d) (-5, 0)

(3) If a square has a side length of 5 cm and its perimeter is 20 cm, then the ratio between its side and its perimeter is :

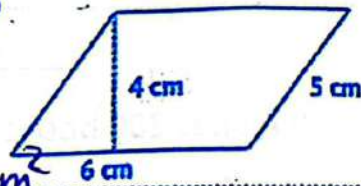
a) 1:4

b) 1:5

c) 5:1

d) 4:1

[B] Find the area of the opposite parallelogram?



$$A = b \times h = 6 \times 4 = 24 \text{ cm}^2$$

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[Q3] [A] Choose the correct answer:

(1) If the reciprocal of $\frac{2}{7}$ is $3\frac{x}{2}$, then $x = \dots\dots\dots$ a) 7

b) 1

c) 3

d) 2

(2) All the following represents the rate of 4 factories of ceramic. The highest production rate is

a) 200 cartons
per hourb) 480 cartons
per hourc) 300 cartons
per hourd) 760 cartons
per hour(3) If the dimensions of a cuboid are 1.2 cm, 10 cm and 5 cm, then its volume is cm^3 a) 60

b) 120

c) 600

d) 16.5

[B] Nehal distributed 0.25 Kg into bags. If the mass of each bag is

0.01 kg. How many bags are needed?

$$0.25 \div 0.01 \quad \text{or} \quad 0.25 \div 0.01$$

$$\begin{array}{r} \times 100 \quad \times 100 \\ 25 \div 1 = 25 \end{array} \quad \left| \quad \begin{array}{r} \frac{1}{4} \div \frac{1}{100} = \frac{1}{4} \times \frac{100}{1} = \frac{100}{4} = 25 \end{array} \right.$$

[Q4]

[A] Find The area of triangle whose base is 8 cm and its corresponding height is 6 cm ?

$$a = \frac{1}{2}bh = \frac{1}{2} \times 8 \times 6 = 24 \text{ cm}^2$$

[B] If Ali has 200 books and 160 pens, then Find the ratio between the number of books and the number of pens ? (in the simplest form)

$$\begin{array}{r} b : p \\ 200 : 160 : 10 \\ 20 : 16 : 4 \end{array}$$

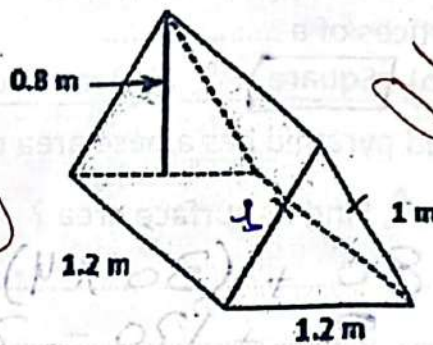
$$\begin{array}{r} b : p \\ 5 : 4 \end{array}$$

[Q5]

[A] If the area of triangle 24 cm^2 , its base length is 8 cm , Find its corresponding height?

$$h = 2a \div b = (2 \times 24) \div 8 = 6$$

[B] Find the area of the opposite triangular prism:



End of the questions

$$a_{\Delta} = \frac{1}{2} \times b \times h \times 2 = \frac{1}{2} \times 1.2 \times 0.8 \times 2 =$$

$$1 \times w = 0.96 \text{ m}^2$$

$$a_{\square_1} = 1.2 \times 1 = 1.2 \text{ m}^2$$

$$a_{\square_2} = 1.2 \times 1 = 1.2 \text{ m}^2$$

$$a_{\square_3} = 1.2 \times 1.2 = 1.44 \text{ m}^2$$

$$a = 0.96 + 1.2 + 1.2 + 1.44$$

$$4.80 \text{ m}^2$$

Prim 6 - Model No

12

[Q1] [A] Choose the correct answer:

(1) 60 % of is 72

a) 43.2

b) 1200

c) 432

d) 120

(2) $5 \div \frac{5}{3}$ $5 \times \frac{4}{5}$

a) >

b) =

c) <

d) Other wise

(3) The ordered pairs $(0, 0)$, $(0, -2)$, $(-2, -2)$ and $(-2, 0)$ represent the vertices of a

a) Triangle

b) Square

c) Trapezium

d) Rectangle

[B] If the square based pyramid has a base area of 80 cm^2 and the area of its sides is 30 cm^2 , Find its surface area?

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$a = 80 + (30 \times 4)$
 $80 + 120 = 200$

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[Q2] [A] Choose the correct answer:

(1) Which of the following is an equivalent operation to $\frac{2}{3} \div \frac{1}{6}$?a) $4 + \frac{2}{3}$ b) $\frac{2}{3}$ c) $\frac{2}{3} \times 6$ d) $4 \times \frac{1}{4}$ (2) All the following ordered pairs lie in the 2nd quadrant, except....a) $(-7, 5)$ b) $(2, -2)$ c) $(-1, 5)$ d) $(-2, 2)$ (3) The volume of cuboid whose dimensions 3, 4, cm. is 60 cm^3

a) 12

b) 5

c) 60

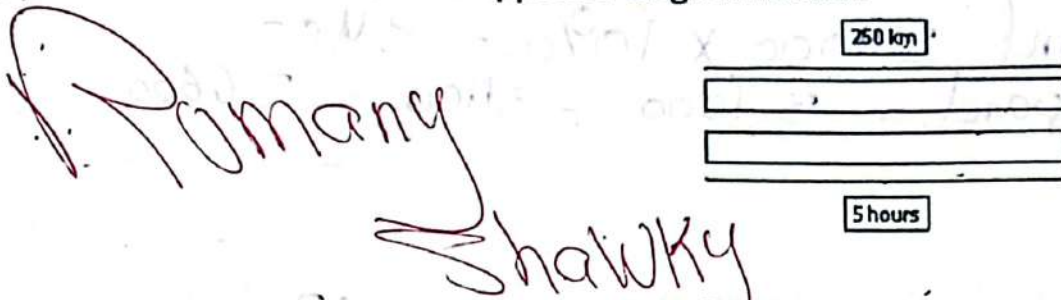
d) 240

[B] A merchant sold 60 kg of orange with 2220 L.E Find the price of a kilogram of orange?

price of each kg = $2220 \div 60$
 $= 37 \text{ L.E}$

[Q3] [A] Choose the correct answer:

(1) The unit of the rate of the opposite diagram is



- a) 250 km per 5 hours b) 50 km per hour
 c) 55 km per 2 hours d) 100 km per 2 hours

(2) If we doubled the edge length of a cube then The ratio between the volumes of a cube to the new cube is 1 :

- a) 2 b) 4 c) 8 d) 27

(3) If 10% of X = 1500 then x = ... 15000

- a) 15 b) 150 c) 1500 d) 1.5

[B] Find the volume of a cuboid if its dimensions 5 cm., 4.8 cm, 2 cm. ?

$$V = L \times W \times h = 5 \times 4.8 \times 2$$

$$= 48 \text{ cm}^3$$

[Q4]

[A] If $\frac{x}{8} = \frac{12.5}{100}\%$ then Find the value of X ?

$$x = \frac{8 \times 12.5}{100} = \frac{100.0}{100} = 1$$

$$x = 1$$

[B] If Omar bought a TV set with 10 % discount from its price 34000,

find what did Omar pay ?

discount $34000 \times 10\% = 3400$

he paid $= 34000 - 3400 = 30600$

[Q5]

[A] Find the area triangular pyramid ?

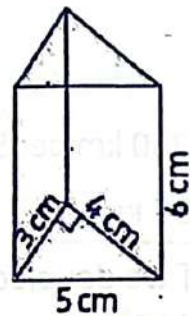
$a_{\Delta} = \frac{1}{2} \times b \times h \times 2 = \frac{1}{2} \times 3 \times 4 \times 2 = 12$

$a_{\square_1} = L \times w = 6 \times 4 = 24$

$a_{\square_2} = 6 \times 3 = 18$

$a_{\square_3} = 6 \times 5 = 30$

$a = 12 + 24 + 18 + 30 = 84 \text{ cm}^2$

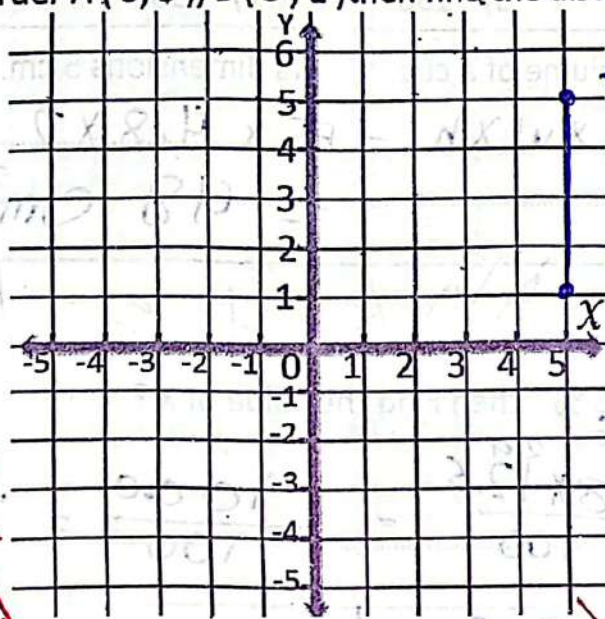


[B] Locate the following points on the coordinate plane and connect the points in order A (5, 5), B (5, 1) then find the distance of AB

A (5, 5)

B (5, 1)

$AB = 5 - 1 = 4$



End of the questions

اهداء هذا العمل
الى تلميذاي عمل
الله بالحمد لله يا عمل
أرجو الدعاء له بالرحمة
والعطفة وتقبل
الله فسيح حياته

Romany
Shawky
01062422135

حمل الآن

مجاناً وحصرياً

امتحانات رقم (4)

الترم الثاني



Q1: CHOOSE THE CORRECT ANSWER

1 The volume of a cuboid of base area 28 cm^2 and height 7.4 cm is cm^3 .

(a) 270.2

(b) 207.2

(c) 202.7

(d) 207.7

2 $\div \frac{1}{2} = \frac{1}{3}$

(a) $\frac{1}{6}$

(b) 6

(c) $\frac{3}{1}$

(d) $\frac{2}{3}$

3 gm = 60 kg

(a) 0.06

(b) 6,000

(c) 600

(d) 60,000

4 $1 - 1\% = \text{..... } \%$

(a) zero

(b) 2

(c) 99

(d) 1

5 Which of the following values could be the y-coordinate of the point (5 ,) that is 7 units from (5 , 9)

(a) -2

(b) 2

(c) 7

(d) -7

6 The ratio between two side lengths of rhombus is

(a) 1 : 4

(b) 1 : 3

(c) 1 : 2

(d) 1 : 1

7 If $3 : 5 = 12 : 2x$, then $x = \text{.....}$

(a) 20

(b) 24

(c) 12

(d) 10

8 If the perimeter of an equilateral triangle is 18 cm and its area is 15 cm^2 , then its height is cm.

(a) 5

(b) 15

(c) 30

(d) 6

9 From the opposite equivalent ratios

$A + B = \text{.....}$

(a) 98

(c) 96

4	36	B
9	A	36

(b) 97

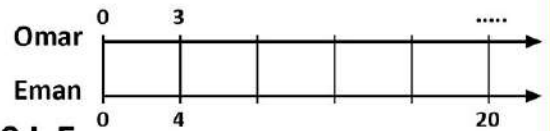
(d) 95



FOLLOW US

Q2: ANSWER THE FOLLOWING

- 1 From the opposite double number line, if the ratio between what Omar saved to what Eman saved was 3 : 4 if Eman saved 20 L.E. then Omar saved L.E.



- 2 If the volume of a cuboid is 720 cm^3 and its height is 10 cm, find its base area.

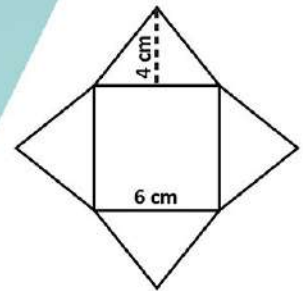
.....

- 3 Find the surface area of the opposite solid:

Base area =

Area of the face =

Total surface area =



- 4 Convert the speed of 500 cm/s to meters per second using the conversion factor?

.....

- 5 The number of students in a school is 540, if the number of boys in school is 300, Find: The ratio between the number of boys and the number of girls.

.....

- 6 The distance between A (3 , 4) and x-axis is units.

.....

- 7 If the lunch bill for you and your friend is EGP 300 and the sales tax rate is 5% and a 10% service charge is added. Calculate the total amount of lunch?

.....

.....



FOLLOW US

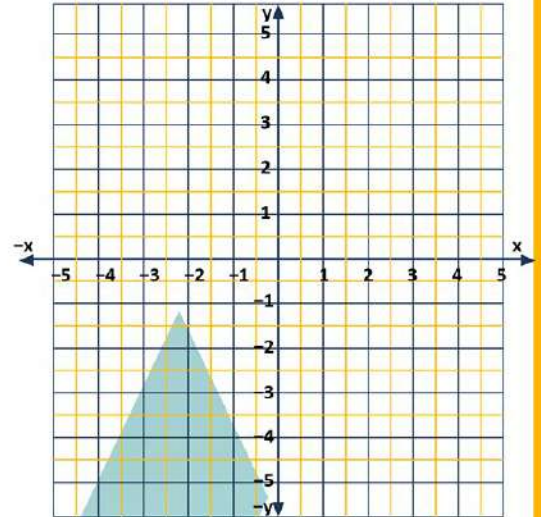
01: CHOOSE THE CORRECT ANSWER

- 1 The total number of students in a class is 40 and the boys are 15, then the ratio between girls and boys is
 - a 3 : 8
 - b 3 : 5
 - c 5 : 8
 - d 5 : 3
- 2 The point $(-8, 3)$ lies in
 - a 1st quadrant
 - b 2nd quadrant
 - c 3rd quadrant
 - d 4th quadrant
- 3 If $x : 15 = 3 : 5$, then $x + 4 =$
 - a 8
 - b 9
 - c 5
 - d 13
- 4 35% of 160 =
 - a $\frac{56}{100}$
 - b 56
 - c 5.6
 - d 560
- 5 45 L.E for 5kg of tomatos, then the cost of 20 kg of tomatos is L.E
 - a 45
 - b 90
 - c 180
 - d 200
- 6 $\times \frac{3}{5} = \frac{3}{4}$
 - a $\frac{4}{15}$
 - b $1\frac{1}{4}$
 - c $\frac{9}{20}$
 - d $2\frac{2}{9}$
- 7 The percentage of 4 squares of 400 squares is %.
 - a 4
 - b 1
 - c 0.01
 - d 0.1
- 8 If the ratio between a and b is 1 : 3 and the sum of a and b is 20 ,then b =
 - a 16
 - b 4
 - c 15
 - d 80
- 9 The perimeter of one face of a cube is 28 cm, then the surface area of cube is cm^2 .
 - a 294
 - b 49
 - c 4,704
 - d 1,176



FOLLOW US

Q2: ANSWER THE FOLLOWING



- 1** The point $(-4, -3)$ is a vertex of a rectangle with sides 2 units wide and 3 units long. Determine another 3 points to complete the rectangles.

.....

- 2** If the original price of a meal is 460 LE, if there's a tax of 15%, Calculate the price of the meal after adding tax

.....

- 3** If $\frac{7}{k}$ equivalent to $\frac{1}{4}$, then $k = \dots\dots\dots$

- 4** If 100 grams of chocolate give 300 calories, if we had only 40 grams of chocolate, so how many calories would we get?

.....

- 5** ABCD is a parallelogram. If $AB = 8$ cm and $BC = 5$ cm and the corresponding height to AB is 4 cm, find the height corresponding to BC.

.....

- 6** A pyramid of metal. The square base has a side length of about 100 cm. The height of each triangular face is about 80 cm. What is the surface area of the pyramid?

.....

- 7** How much is $\frac{1}{4}$ the number 20?

.....



FOLLOW US

01: CHOOSE THE CORRECT ANSWER

- 1 If $\frac{x+3}{14} = \frac{1}{2}$, then $x = \dots\dots\dots$
 - a 14
 - b 7
 - c 4
 - d 3
- 2 5,200 dm = km
 - a 52
 - b 5.2
 - c 0.52
 - d 0.052
- 3 How many $\frac{3}{5}$'s are in 9 apples?
 - a $\frac{27}{5}$
 - b 15
 - c $\frac{1}{15}$
 - d $15\frac{2}{3}$
- 4 The distance between the points A (5, -5) and B (5, 4) is units.
 - a 0
 - b 1
 - c 9
 - d 10
- 5 If 100% of a number is 80, what is 50% of this number?
 - a 0.4
 - b 4
 - c 40
 - d 400
- 6 The reciprocal of $\frac{1}{8}$ is
 - a -8
 - b 8
 - c $\frac{1}{8}$
 - d $-\frac{1}{8}$
- 7 $4.5 \div 0.09 = \dots\dots\dots \div 9$
 - a 0.45
 - b 450
 - c 45
 - d 4.5
- 8 If the sum of edges of a cube is 48 cm, then the area of one face is cm^2 .
 - a 16
 - b 4
 - c 64
 - d 2,304
- 9 A cuboid of volume 48 cm^3 , all of its dimensions are doubled, then the new volume of the cuboid is cm^3 .
 - a 96
 - b 192
 - c 384
 - d 129



FOLLOW US

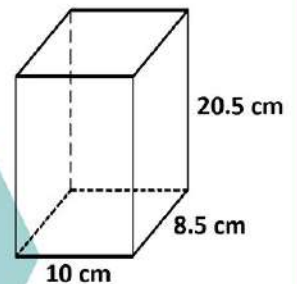
Q2: ANSWER THE FOLLOWING

1 45 m/min = = km/hr

2 Answer the following:

a Estimating volume:

b Actual volume:



3 Fatma wants to divide a piece of fabric of length $\frac{3}{4}$ meter into smaller pieces each of length $\frac{3}{8}$ meter. How many pieces are there?

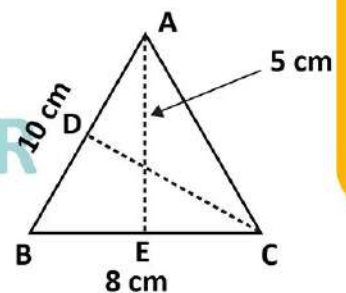
.....

4 Assuming you stored 20 boxes of goods, which is 80% of the boxes, What is the total number of boxes?

.....

5 According to the opposite triangle, find the length of CD.

.....



6 Ahmed Nassr has 980 LE. He spends 420 LE. Complete:

a The money that he spends : the total money = :

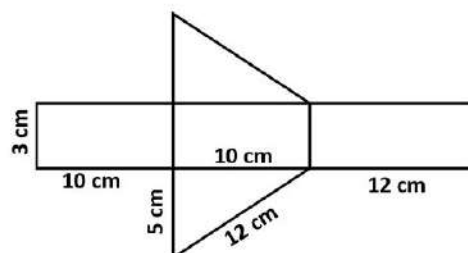
b The money that he saves : the money that he spends = :

7 Find the surface area of the opposite triangular prism

.....

.....

.....



FOLLOW US

01: CHOOSE THE CORRECT ANSWER

1 If a triangle has a base length of 20 cm and its corresponding height is 7.5 cm, then its area is cm^2 .

- (a) 150 (b) 75 (c) 32.5 (d) 750

2 120 m per min = cm per sec

- (a) 12000 (b) 200 (c) 720 (d) 1200

3 The distance between -6 and 5 on the number line is units

- (a) 1 (b) -1 (c) 11 (d) 5

4 $77 : 49 = \dots : \dots$

- (a) 7 : 11 (b) 7 : 1 (c) 11 : 7 (d) 11 : 1

5 $\frac{5}{7} \div \dots = 1$

- (a) $\frac{5}{7}$ (b) 1 (c) $\frac{1}{5}$ (d) $\frac{7}{5}$

6 If the area of a triangle is 35 cm^2 and its base length is 10 cm, then the length of its corresponding height is cm.

- (a) 70 (b) 35 (c) 7 (d) 10

7 The ratio between two number is 2:5. If the first number becomes 8, then the second number will be

- (a) 8 (b) 10 (c) 15 (d) 20

8 The surface area of a cuboid with dimensions of 3 cm , 5 cm, and 8 cm is cm^2 .

- (a) 2×16 (b) $3 \times 5 \times 8$ (c) $2 \times (3 \times 5 \times 8)$ (d) $2 \times (15 + 40 + 24)$

9 If the image of a point by reflection on the y-axis is (-3 , 4), then the point is

- (a) (4 , -3) (b) (3 , 4)
(c) (-3 , -4) (d) (-4 , 3)



FOLLOW US

Q2: ANSWER THE FOLLOWING

- 1 A car consumed 640 liters of gasoline in 4 months. How many liters did the car consume on average in one month?

.....

- 2 We ate 5 out of 10 bananas. What percentage of the bananas did we eat? Determine the part, whole, and percentage of this question:

.....
.....

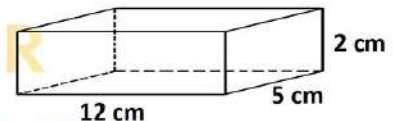
Total	Part	Percentage
.....

- 3 Suppose you have $\frac{8}{10}$ kg of clay, and you want to cut it into equal pieces of $\frac{1}{5}$ kg each, how many pieces can you make?

.....

- 4 The distance between X(-4, 5) and Y(-4, -5) is units.

- 5 Find the volume of the opposite solid:



.....

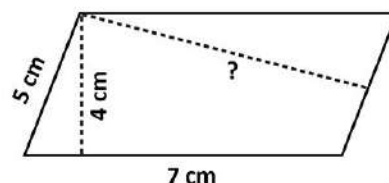
- 6 If Murad has 40 L.E. and Ahmed Nassr has 32 L.E. Find the ratio between what Murad has and the total sum of money in simplest form.

.....

- 7 Find the length of the missing side:

.....
.....
.....

Area = 28 cm^2 .



FOLLOW US

Q1: CHOOSE THE CORRECT ANSWER

1 Which of following expressions represents the surface area of a cube with side length S ?

- (a) S^3 (b) $6 S^2$ (c) $6 S^3$ (d) $4 S^2$

2 180 minutes = hours

- (a) 2 (b) 3 (c) 4 (d) 5

3 If the area of rhombus is 40 cm^2 and its side length is 8 cm , then its height = cm

- (a) 320 (b) 5 (c) 8 (d) 10

4 If the point $(x, -4)$ lies in the 3rd quadrant, then the value of x is

- (a) 7 (b) -1 (c) 2 (d) 5

5 The reciprocal of $3\frac{3}{4}$ is

- (a) $\frac{15}{4}$ (b) $3\frac{4}{3}$ (c) $\frac{4}{15}$ (d) $3\frac{4}{15}$

6 The estimated volume of a cuboid with dimensions of 2.5 cm , 3.75 cm, and 2.2 cm is cm^3 .

- (a) 12 (b) 18 (c) 24 (d) 36

7 If $8 : x = 0.5$, then $x =$

- (a) 4 (b) 8 (c) 16 (d) 40

8 If the ratio between two numbers is 3 : 5 and the smaller number is 12, then the greater number is

- (a) 15 (b) 20 (c) 36 (d) 12

9 If the point A $(-3, 5)$ moved 1 unit to the right then 2 units downward, then A will be

- (a) $(-4, 7)$ (b) $(-2, 3)$
(c) $(-2, -3)$ (d) $(2, -3)$

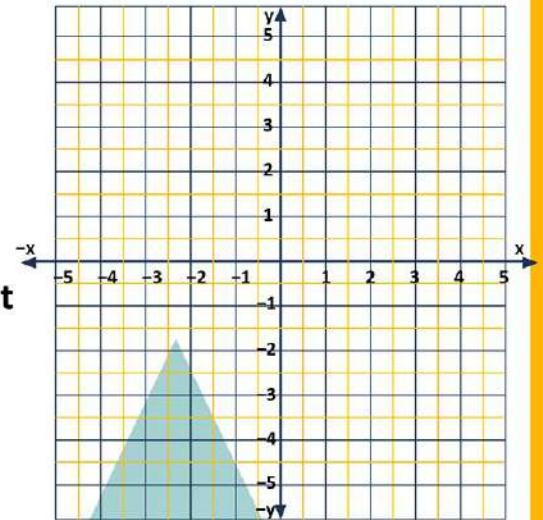


FOLLOW US

Q2: ANSWER THE FOLLOWING

1 By using paper graph:

Plot the points $(-3, 3)$, $(3, -1)$, and $(-3, -1)$ and connect them. Does this figure form a right triangle? If yes, what are the coordinates of the vertex of the right angle?



2 A car travels a distance of 120 kilometres in two hours, express this using the word average?

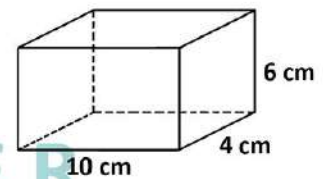
3 Find the value of y in each of the following.

a $\frac{4}{5} \div y = \frac{1}{4}$

b $\frac{4}{5} \times y = 1$

4 Point C $(0, 3)$ lies on-axis.

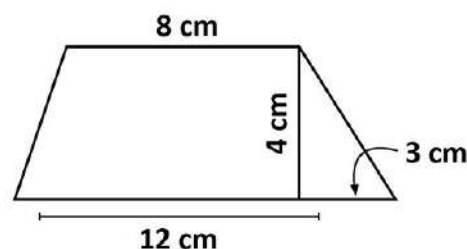
5 Find the volume of the opposite solid:



6 Select 10% and then use it as a reference ratio to find the following percentages: 60% of 150 L.E =

7 Find the area of each of the following trapezium:

.....



FOLLOW US

Q1: CHOOSE THE CORRECT ANSWER

The volume of a cuboid of base area 28 cm^2 and height 7.4 cm is cm^3 .

(a) 270.2

(b) 207.2

(c) 202.7

(d) 207.7

2) $\div \frac{1}{2} = \frac{1}{3}$

(a) $\frac{1}{6}$

(b) 6

(c) $\frac{3}{1}$

(d) $\frac{2}{3}$

3) gm = 60 kg

(a) 0.06

(b) 6,000

(c) 600

(d) 60,000

4) $1 - 1\% = \text{..... } \%$

(a) zero

(b) 2

(c) 99

(d) 1

5) Which of the following values could be the y-coordinate of the point (5 ,) that is 7 units from (5 , 9)

(a) -2

(b) 2

(c) 7

(d) -7

6) The ratio between two side lengths of rhombus is

(a) 1 : 4

(b) 1 : 3

(c) 1 : 2

(d) 1 : 1

7) If $3 : 5 = 12 : 2x$, then $x = \text{.....}$

(a) 20

(b) 24

(c) 12

(d) 10

8) If the perimeter of an equilateral triangle is 18 cm and its area is 15 cm^2 , then its height is cm.

(a) 5

(b) 15

(c) 30

(d) 6

9) From the opposite equivalent ratios

$A + B = \text{.....}$

(a) 98

(c) 96

4	36	B
9	A	36

(b) 97

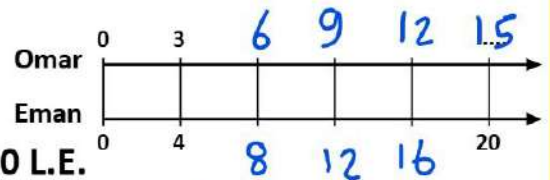
(d) 95



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Q2: ANSWER THE FOLLOWING

- 1 From the opposite double number line, if the ratio between what Omar saved to what Eman saved was 3 : 4 if Eman saved 20 L.E. then Omar saved15..... L.E.



- 2 If the volume of a cuboid is 720 cm^3 and its height is 10 cm, find its base area.

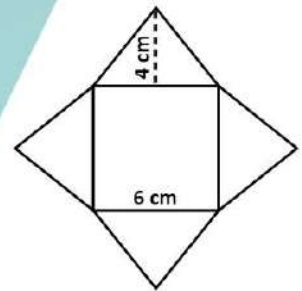
..... $B.A = 720 \div 10 = 72 \text{ cm}^2$

- 3 Find the surface area of the opposite solid:

Base area = $6 \times 6 = 36 \text{ cm}^2$

Area of the face = $2 \times 6 \times 4 = 12 \text{ cm}^2$

Total surface area = $4 \times 12 + 36 = 84 \text{ cm}^2$



- 4 Convert the speed of 500 cm/s to meters per second using the conversion factor?

..... $\frac{500 \text{ cm}}{s} \times \frac{1 \text{ m}}{100 \text{ cm}} = 5 \text{ m/s}$

- 5 The number of students in a school is 540, if the number of boys in school is 300, Find: The ratio between the number of boys and the number of girls.

..... $300 : 240 \Rightarrow 5 : 4$

- 6 The distance between A (3, 4) and x-axis is4..... units.

..... $(3, 0)$

- 7 If the lunch bill for you and your friend is EGP 300 and the sales tax rate is 5% and a 10% service charge is added. Calculate the total amount of lunch?

..... $10\% = 30 \text{ L.E} \Rightarrow 15\% = 45 \text{ L.E}$

..... $\text{Total} = 300 + 45 = 345 \text{ L.E}$



FOLLOW US

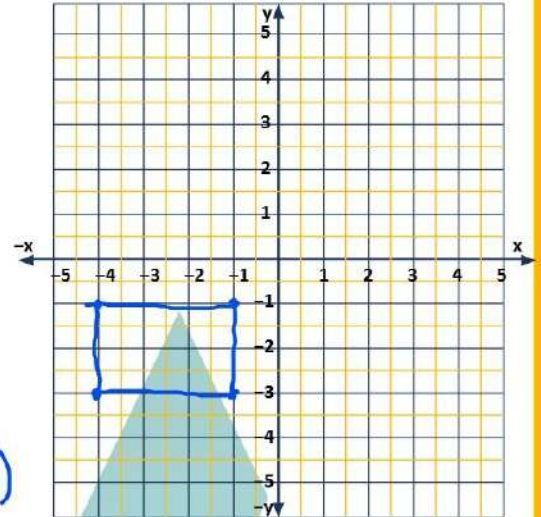
01: CHOOSE THE CORRECT ANSWER

- 1 The total number of students in a class is 40 and the boys are 15, then the ratio between girls and boys is
 (a) 3 : 8 (b) 3 : 5 (c) 5 : 8 (d) 5 : 3
- 2 The point $(-8, 3)$ lies in
 (a) 1st quadrant (b) 2nd quadrant (c) 3rd quadrant (d) 4th quadrant
- 3 If $x : 15 = 3 : 5$, then $x + 4 =$
 (a) 8 (b) 9 (c) 5 (d) 13
- 4 35% of 160 =
 (a) $\frac{56}{100}$ (b) 56 (c) 5.6 (d) 560
- 5 45 L.E for 5kg of tomatos, then the cost of 20 kg of tomatos is L.E
 (a) 45 (b) 90 (c) 180 (d) 200
- 6 $\times \frac{3}{5} = \frac{3}{4}$
 (a) $\frac{4}{15}$ (b) $1\frac{1}{4}$ (c) $\frac{9}{20}$ (d) $2\frac{2}{9}$
- 7 The percentage of 4 squares of 400 squares is %.
 (a) 4 (b) 1 (c) 0.01 (d) 0.1
- 8 If the ratio between a and b is 1 : 3 and the sum of a and b is 20 ,then b =
 (a) 16 (b) 4 (c) 15 (d) 80
- 9 The perimeter of one face of a cube is 28 cm, then the surface area of cube is cm^2 .
 (a) 294 (b) 49 (c) 4,704 (d) 1,176



FOLLOW US

Q2: ANSWER THE FOLLOWING



- 1 The point $(-4, -3)$ is a vertex of a rectangle with sides 2 units wide and 3 units long. Determine another 3 points to complete the rectangles.

..... $(-1, -3), (-1, -1), (-4, -1)$
 (There're many solutions)

- 2 If the original price of a meal is 460 LE, if there's a tax of 15%, Calculate the price of the meal after adding tax

..... $10\% = 46 \rightarrow 15\% = 46 + 2.3 = 69 \text{ LE}$

- 3 If $\frac{7}{k}$ equivalent to $\frac{1}{4}$, then $k = 28$

total = $460 + 69 = 529 \text{ LE}$

- 4 If 100 grams of chocolate give 300 calories, if we had only 40 grams of chocolate, so how many calories would we get?

..... $\frac{100}{300} = \frac{40}{x} \rightarrow x = \frac{40 \times 300}{100} = 120 \text{ calories}$

- 5 ABCD is a parallelogram. If $AB = 8 \text{ cm}$ and $BC = 5 \text{ cm}$ and the corresponding height to AB is 4 cm , find the height corresponding to BC .

..... $\text{Area} = 4 \times 8 = 32 \text{ cm}^2 \mid \text{Height} = 32 \div 5 = 6.4 \text{ cm}$

- 6 A pyramid of metal. The square base has a side length of about 100 cm . The height of each triangular face is about 80 cm . What is the surface area of the pyramid?

..... $\text{Area of base} = 100 \times 100 = 10,000 \text{ cm}^2$

..... $\text{Area of face} = \frac{1}{2} \times 100 \times 80 = 4,000 \text{ cm}^2$

total
 $= 4 \times 4,000 + 10,000$
 $= 26,000 \text{ cm}^2$

- 7 How much is $\frac{1}{4}$ the number 20?

..... 5



FOLLOW US

Q1: CHOOSE THE CORRECT ANSWER

- 1 If $\frac{x+3}{14} = \frac{1}{2}$, then $x = \dots\dots\dots$

☐ a 14 ☐ b 7 ☒ c 4 ☐ d 3
- 2 5,200 dm = km

☐ a 52 ☐ b 5.2 ☒ c 0.52 ☐ d 0.052
- 3 How many $\frac{3}{5}$'s are in 9 apples?

☐ a $\frac{27}{5}$ ☒ b 15 ☐ c $\frac{1}{15}$ ☐ d $15\frac{2}{3}$
- 4 The distance between the points A (5, -5) and B (5, 4) is units.

☐ a 0 ☐ b 1 ☒ c 9 ☐ d 10
- 5 If 100% of a number is 80, what is 50% of this number?

☐ a 0.4 ☐ b 4 ☒ c 40 ☐ d 400
- 6 The reciprocal of $\frac{1}{8}$ is

☐ a -8 ☒ b 8 ☐ c $\frac{1}{8}$ ☐ d $-\frac{1}{8}$
- 7 $4.5 \div 0.09 = \dots\dots\dots \div 9$

☐ a 0.45 ☒ b 450 ☐ c 45 ☐ d 4.5
- 8 If the sum of edges of a cube is 48 cm, then the area of one face is cm^2 .

☒ a 16 ☐ b 4 ☐ c 64 ☐ d 2,304
- 9 A cuboid of volume 48 cm^3 , all of its dimensions are doubled, then the new volume of the cuboid is cm^3 .

☐ a 96 ☐ b 192 ☒ c 384 ☐ d 129



FOLLOW US

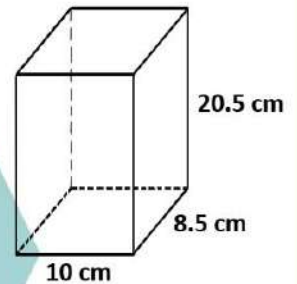
Q2: ANSWER THE FOLLOWING

1 45 m/min = $\frac{45 \text{ m}}{\text{min}} \times \frac{1 \text{ km}}{1000 \text{ m}} \times \frac{60 \text{ min}}{1 \text{ hr}} = 2.7 \text{ km/hr}$

2 Answer the following:

a Estimating volume: $20 \times 8 \times 10 = 1,600 \text{ cm}^3$

b Actual volume: $10 \times 8.5 \times 20.5 = 1742.5$



3 Fatma wants to divide a piece of fabric of length $\frac{3}{4}$ meter into smaller pieces each of length $\frac{3}{8}$ meter. How many pieces are there?

$\frac{3}{4} \div \frac{3}{8} = \frac{3}{4} \times \frac{8}{3} = 2 \text{ pieces}$

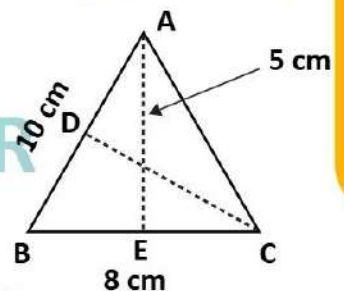
4 Assuming you stored 20 boxes of goods, which is 80% of the boxes, What is the total number of boxes?

$\text{total} = 20 \div \frac{80}{100} = 20 \times \frac{100}{80} = 25 \text{ boxes}$

5 According to the opposite triangle, find the length of CD.

$\text{Area} = \frac{1}{2} \times 5 \times 8 = 20 \text{ cm}^2$

$CD = (2 \times 20) \div 10 = 4 \text{ cm}$



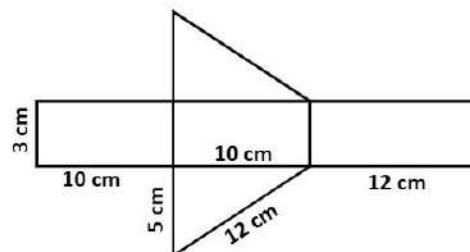
6 Ahmed Nassr has 980 LE. He spends 420 LE. Complete:

a The money that he spends : the total money = 3 : 7

b The money that he saves : the money that he spends = 4 : 3

7 Find the surface area of the opposite triangular prism

top = 25 | face (1) = 30
bottom = 25 | face (2) = 36
face (3) = 30



total = 146 cm²



FOLLOW US

01: CHOOSE THE CORRECT ANSWER

1 If a triangle has a base length of 20 cm and its corresponding height is 7.5 cm, then its area is cm^2 .

- (a) 150 (b) 75 (c) 32.5 (d) 750

2 120 m per min = cm per sec

- (a) 12000 (b) 200 (c) 720 (d) 1200

3 The distance between -6 and 5 on the number line is units

- (a) 1 (b) -1 (c) 11 (d) 5

4 $77 : 49 = \dots : \dots$

- (a) 7 : 11 (b) 7 : 1 (c) 11 : 7 (d) 11 : 1

5 $\frac{5}{7} \div \dots = 1$

- (a) $\frac{5}{7}$ (b) 1 (c) $\frac{1}{5}$ (d) $\frac{7}{5}$

6 If the area of a triangle is 35 cm^2 and its base length is 10 cm, then the length of its corresponding height is cm.

- (a) 70 (b) 35 (c) 7 (d) 10

7 The ratio between two number is 2:5. If the first number becomes 8, then the second number will be

- (a) 8 (b) 10 (c) 15 (d) 20

8 The surface area of a cuboid with dimensions of 3 cm , 5 cm, and 8 cm is cm^2 .

- (a) 2×16 (b) $3 \times 5 \times 8$ (c) $2 \times (3 \times 5 \times 8)$ (d) $2 \times (15 + 40 + 24)$

9 If the image of a point by reflection on the y-axis is $(-3, 4)$, then the point is

- (a) $(4, -3)$ (b) $(3, 4)$ (c) $(-3, -4)$ (d) $(-4, 3)$



FOLLOW US

Q2: ANSWER THE FOLLOWING

- 1 A car consumed 640 liters of gasoline in 4 months. How many liters did the car consume on average in one month?

..... $640 \div 4 = 160 \text{ liter/month}$

- 2 We ate 5 out of 10 bananas. What percentage of the bananas did we eat? Determine the part, whole, and percentage of this question:

..... $\text{Percentage} = 50\%$

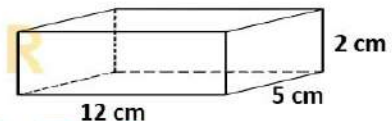
Total	Part	Percentage
.....10.....	.....5.....	.....unknown.....

- 3 Suppose you have $\frac{8}{10}$ kg of clay, and you want to cut it into equal pieces of $\frac{1}{5}$ kg each, how many pieces can you make?

..... $\frac{8}{10} \div \frac{1}{5} = \frac{8}{10} \times \frac{5}{1} = 4 \text{ pieces}$

- 4 The distance between X(-4, 5) and Y(4, -5) is10..... units.

- 5 Find the volume of the opposite solid:



..... $V = 12 \times 5 \times 2 = 120 \text{ cm}^3$

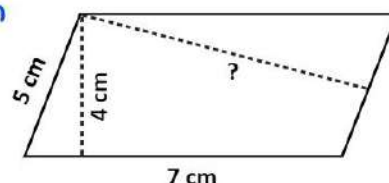
- 6 If Murad has 40 L.E. and Ahmed Nassr has 32 L.E. Find the ratio between what Murad has and the total sum of money in simplest form.

..... $40 : 72 \Rightarrow 5 : 9$

- 7 Find the length of the missing side:

..... $\text{Height} = 28 \div 5 = 5.6 \text{ cm}$

Area = 28 cm^2 .



FOLLOW US

Q1: CHOOSE THE CORRECT ANSWER

1 Which of following expressions represents the surface area of a cube with side length S ?

- ☐ a S^3
☒ b $6S^2$
☐ c $6S^3$
☐ d $4S^2$

2 180 minutes = hours

- ☐ a 2
 ☒ b 3
 ☐ c 4
 ☐ d 5

3 If the area of rhombus is 40 cm^2 and its side length is 8 cm , then its height = cm

- ☐ a 320
 ☒ b 5
 ☐ c 8
 ☐ d 10

4 If the point $(x, -4)$ lies in the 3rd quadrant, then the value of x is

- ☐ a 7
 ☒ b -1
 ☐ c 2
 ☐ d 5

5 The reciprocal of $3\frac{3}{4}$ is

- ☐ a $\frac{15}{4}$
☐ b $3\frac{4}{3}$
☒ c $\frac{4}{15}$
☐ d $3\frac{4}{15}$

6 The estimated volume of a cuboid with dimensions of 2.5 cm , 3.75 cm, and 2.2 cm is cm^3 .

- ☒ a 12
 ☐ b 18
 ☐ c 24
 ☐ d 36

7 If $8 : x = 0.5$, then $x =$

- ☐ a 4
 ☐ b 8
 ☒ c 16
 ☐ d 40

8 If the ratio between two numbers is 3 : 5 and the smaller number is 12, then the greater number is

- ☐ a 15
 ☒ b 20
 ☐ c 36
 ☐ d 12

9 If the point A $(-3, 5)$ moved 1 unit to the right then 2 units downward, then A will be

- ☐ a $(-4, 7)$
☒ b $(-2, 3)$
☐ c $(-2, -3)$
☐ d $(2, -3)$



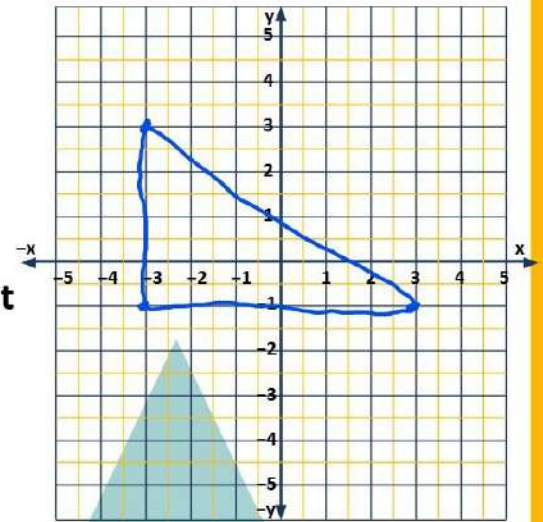
FOLLOW US

Q2: ANSWER THE FOLLOWING

1 By using paper graph:

Plot the points $(-3, 3)$, $(3, -1)$, and $(-3, -1)$ and connect them. Does this figure form a right triangle? If yes, what are the coordinates of the vertex of the right angle?

Yes, $(-3, -1)$



2 A car travels a distance of 120 kilometres in two hours, express this using the word average?

$120 \div 2 = 60 \text{ Km/hr}$

3 Find the value of y in each of the following.

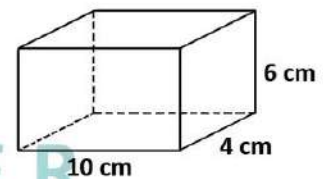
a $\frac{4}{5} \div y = \frac{1}{4}$ $3\frac{1}{5}$

b $\frac{4}{5} \times y = 1$ $\frac{5}{4}$

4 Point C $(0, 3)$ lies on y -axis.

5 Find the volume of the opposite solid:

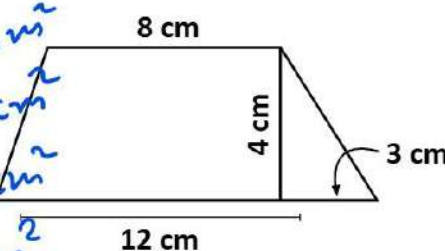
$V = 10 \times 6 \times 4 = 240 \text{ cm}^3$



6 Select 10% and then use it as a reference ratio to find the following percentages: 60% of 150 L.E = $10\% = 15$, so, $60\% = 15 \times 6 = 90$

7 Find the area of each of the following trapezium:

Area of $\Delta(1) = \frac{1}{2} \times 4 \times 3 = 6 \text{ cm}^2$
 Area of $\Delta(2) = \frac{1}{2} \times 1 \times 4 = 2 \text{ cm}^2$
 Area of rectangle = $8 \times 4 = 32 \text{ cm}^2$
 Total = $6 + 2 + 32 = 40 \text{ cm}^2$



FOLLOW US

حمل الآن

مجانا وحصريا

امتحانات رقم (5)

الترم الثاني



Q1 Choose the correct answer

1 Volume of cuboid = base area x -----

- (a) length (b) width (c) height (d) perimeter of base

2 The point $(-3, -2)$ lies in ----- quadrant.

- (a) first (b) second (c) third (d) fourth

3 $40\% + 50\% =$ -----

- (a) 90 (b) 9 (c) 0.9 (d) 0.09

4 If ABC is right-angled triangle at B, where A $(2, 3)$ and C $(4, 5)$ then B is -----

- (a) $(1, 4)$ (b) $(3, 1)$ (c) $(4, 3)$ (d) $(5, 1)$

5 The ratio 6:36 in its simplest form is 1 : -----

- (a) 2 (b) 3 (c) 6 (d) 18

6 The volume of cuboid whose dimensions are 3 m ,4 m ,10 m is ----- m^3

- (a) 54 (b) 108 (c) 120 (d) 150

7 $0.04 \times 0.2 =$ -----

- (a) 0.08 (b) 0.008 (c) 0.8 (d) 0.006

8 ----- $\times \frac{3}{7} = 1$

- (a) 1 (b) $\frac{1}{7}$ (c) $\frac{3}{7}$ (d) $\frac{7}{3}$

9 Which of the following is a unit rate ?

- (a) 40 L.E. per 5 kg (b) 75 km per one hour
(c) 5 liters per 2 bottles (d) 6 meals per 2 days

Q2 Answer the following

- 1** A runner covers 8 km in 2 hr
Find the distance that he covers in 4 hr at the same speed.

.....

.....

.....

- 2** If the area of a rhombus is 48 m, and its height is 6 m
Find its side length.

.....

.....

.....

- 3** A man deposited 10,000 L.E. in a bank with annual interest 15 %.
Find the total amount which he gets at the end of one year.

.....

.....

.....

- 4** If 156 L.E. is distributed among a group of pupils and each of them takes 6.5 L.E.
Find the number of pupils.

.....

.....

.....

- 5 Use the following tape diagram to find 40 % of 250.



.....

.....

.....

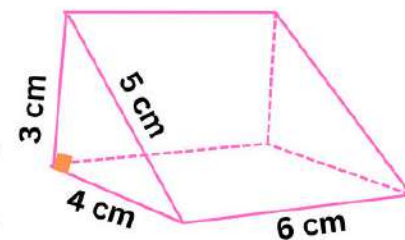
- 6 Find the surface area of the opposite triangular prism.

.....

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.....



- 7 Plot the following points on the opposite grid:

A (-4 , -2) , B (3 , -2) , C (2 , 2) , D (-1 , 2)

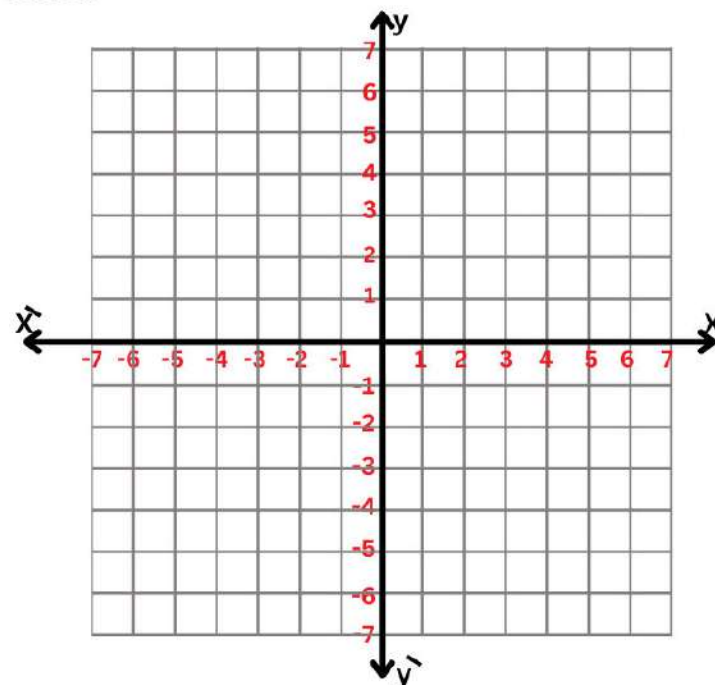
then state the type of the figure ABCD.

.....

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Q1 Choose the correct answer

1 The distance between -3 and 5 on the number line is ----- units.

- (a) 2 (b) 3 (c) 5 (d) 8

2 The image of the point (2, -4) by reflection across the y-axis is -----

- (a) (2, 4) (b) (-2, -4) (c) (2, -4) (d) (-2, 4)

3 The surface area of a square-based pyramid whose base length is 8 cm and its height is 5 cm is -----cm².

- (a) 100 (b) 120 (c) 144 (d) 150

4 The area of a parallelogram whose base length is 10 cm and its corresponding height is 6 cm is ----- cm².

- (a) 15 (b) 16 (c) 30 (d) 60

5 ----- is a ratio of second term 100

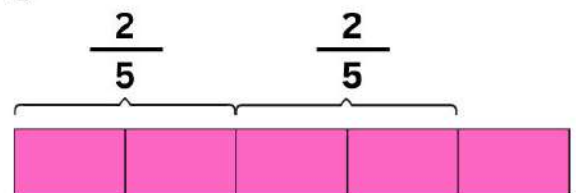
- (a) Rate (b) Ratio (c) Unit rate (d) Percentage

6 $0.37 \times 0.1 =$ -----

- (a) 37 (b) 3.7 (c) 0.37 (d) 0.037

7 The quotient of the opposite tape diagram = -----

- (a) 2 (b) $\frac{2}{5}$
(c) $\frac{4}{5}$ (d) $\frac{5}{2}$



8 From the opposite equivalent ratios, $x + y =$ -----

- (a) 14 (b) 20
(c) 26 (d) 35

3	12	x
5	y	10

9 From the opposite table : the value of the unknown = -----

(a) 30

(b) 120

(c) 300

(d) 480

Whole	Part	Percent
Unknown	120	40%

Q2 Answer the following

1 If the ratio between the number of boys and girls in a class is 4 : 5 and the number of boys is 20 boys.

Find the total number of pupils in the class.

.....

.....

.....

2 In a mathematics exam Yousef got 38 marks of 40 marks.

Find the percentage of the marks he got.

.....

.....

.....

3 A box of table tennis balls weighs $\frac{5}{9}$ of a kilogram.

If each ball weighs $\frac{15}{81}$ of a kilogram.

How many balls are there in the box ?

.....

.....

.....

- 4 Mona bought 5 kg of apples. She paid 45 L.E. How much money will she pay to buy 10 kg ?

.....

.....

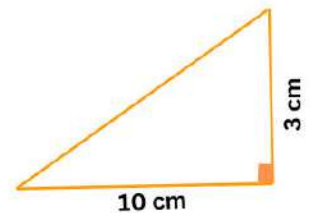
.....

- 5 Find the area of the opposite triangle.

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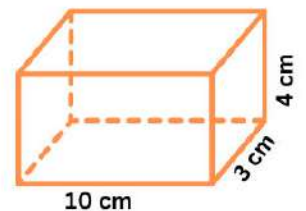


- 6 Find the surface area of the opposite cuboid.

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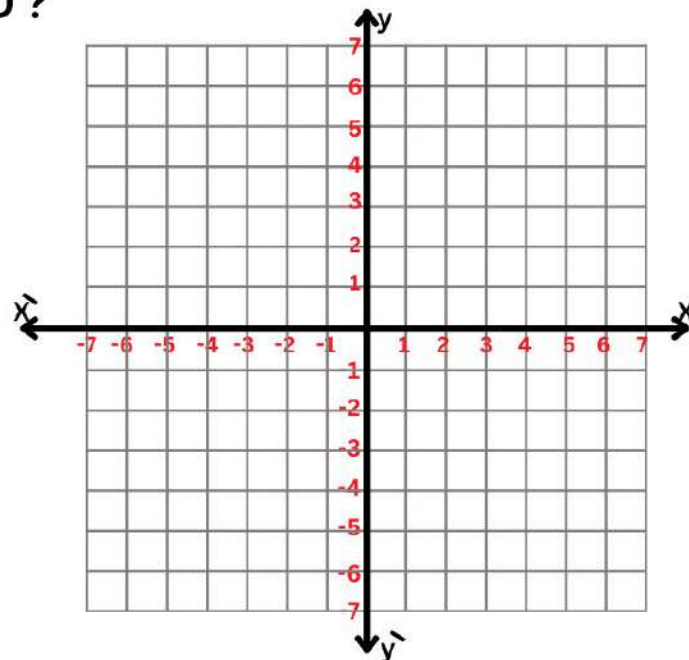
- 7 Graph the points : A (4 , 3) , B (4 , -3) , C (2 , -3) , D (2 , 3).
What is the name of the figure ABCD ?

.....

.....

.....

.....



Q1 Choose the correct answer

1 The image of the point (3 , 0) by reflection across y-axis is -----

- (a) (-3 , 0) (b) (0 , -3) (c) (3 , 0) (d) (0 , 3)

2 60 meters per hour = ----- meter(s) per min.

- (a) 3,600 (b) 120 (c) 360 (d) 1

3 The reciprocal of 5 is -----

- (a) 0 (b) 5 (c) $\frac{1}{5}$ (d) -5

4 ----- $\div \frac{3}{8} = \frac{5}{6}$

- (a) $\frac{5}{16}$ (b) $\frac{1}{2}$ (c) $\frac{15}{16}$ (d) $\frac{9}{20}$

5 How many $\frac{2}{5}$ (s) are there in 4 oranges ?

- (a) 8 (b) 10 (c) $\frac{8}{5}$ (d) $4\frac{2}{5}$

6 If the percentage of boys in a school is 52 % * then the percentage of girls is ----- %

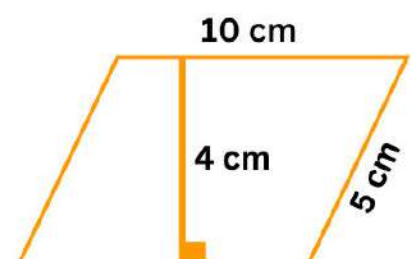
- (a) 52 (b) 48 (c) 0.48 (d) 0.52

7 3.5 cm  25 mm

- (a) < (b) = (c) >

8 Area of the parallelogram = cm²

- (a) 14 (b) 20
(c) 40 (d) 35



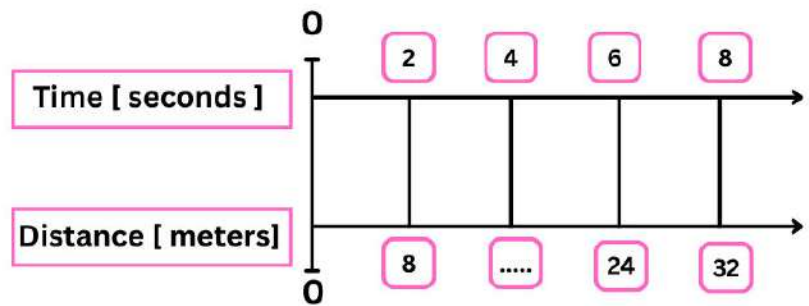
9 The missing number in the opposite double number line is

(a) 8

(b) 18

(c) 16

(d) 12



Q2 Answer the following

1 If the ratio between two numbers is 7:4 and the smaller number is 12 Find the greater number.

.....

.....

.....

2 A man bought a T.V. set » he was given a 15 % discount of its marked price which was 10,000 LE.
Find its price after discount.

.....

.....

.....

3 If 437.5 LE. is distributed among the excellent pupils and each of them takes 17.5 L.E.
Find the number of excellent pupils.

.....

.....

.....

4 Find :

a $\frac{3}{7} \div 2\frac{1}{3} = \dots\dots\dots$

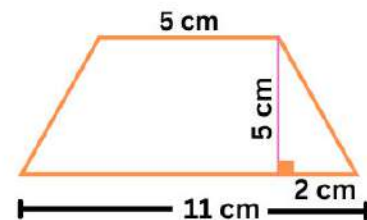
b $2.4 \times 0.02 = \dots\dots\dots$

5 Find the area of the opposite trapezium.

.....

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.....

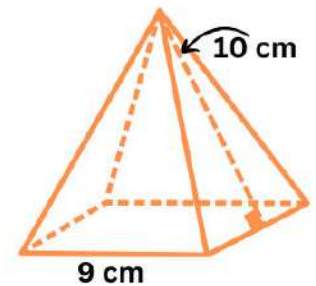


6 Find the surface area of the opposite square-based pyramid.

.....

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.....



7 Graph the points : A (4 , 1) , B (4 , 4) , C (-2 , 4) .

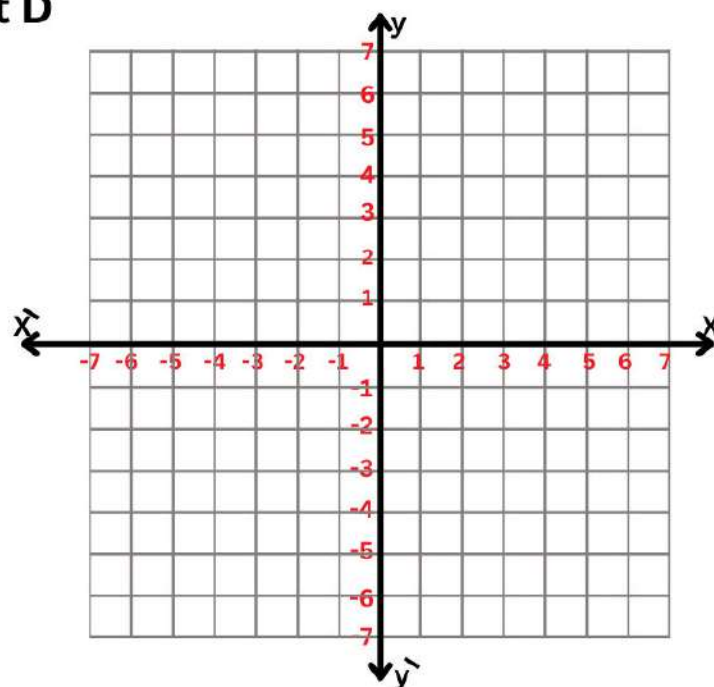
What is the coordinate of the point D
such that ABCD is a rectangle ?

.....

.....

.....

.....



Q1 Choose the correct answer**1** Volume of cuboid = base area x -----

- (a) length (b) width (c) height (d) perimeter of base

2 The point (-3 , -2) lies in ----- quadrant.

- (a) first (b) second (c) third (d) fourth

3 $40\% + 50\% =$ -----

- (a) 90 (b) 9 (c) 0.9 (d) 0.09

4 If ABC is right-angled triangle at B, where A (2 , 3) and C (4 , 5) then B is -----

- (a) (1 , 4) (b) (3 , 1) (c) (4 , 3) (d) (5 , 1)

5 The ratio 6:36 in its simplest form is 1 : -----

- (a) 2 (b) 3 (c) 6 (d) 18

6 The volume of cuboid whose dimensions are 3 m ,4 m ,10 m is ----- m^3

- (a) 54 (b) 108 (c) 120 (d) 150

7 $0.04 \times 0.2 =$ -----

- (a) 0.08 (b) 0.008 (c) 0.8 (d) 0.006

8 ----- $\times \frac{3}{7} = 1$

- (a) 1 (b) $\frac{1}{7}$ (c) $\frac{3}{7}$ (d) $\frac{7}{3}$

9 Which of the following is a unit rate ?

- (a) 40 L.E. per 5 kg (b) 75 km per one hour
(c) 5 liters per 2 bottles (d) 6 meals per 2 days

Q2 Answer the following

- 1** A runner covers 8 km in 2 hr

Find the distance that he covers in 4 hr at the same speed.

$$\text{Unit rate} = \frac{8 \text{ km}}{2 \text{ hr}} = 4 \text{ km per hr.}$$

$$\text{The distance} = 4 \times 4 = 16 \text{ km.}$$

- 2** If the area of a rhombus is 48 m, and its height is 6 m
Find its side length.

$$\text{The side length} = \frac{\text{Area}}{\text{height}} = \frac{48}{6} = 8 \text{ cm.}$$

- 3** A man deposited 10,000 L.E. in a bank with annual interest 15 %.
Find the total amount which he gets at the end of one year.

$$10 \% \text{ of } 10,000 \text{ L.E.} = 1000 \text{ L.E.}$$

$$5 \% \text{ of } 10,000 \text{ L.E.} = 500 \text{ L.E.}$$

$$\text{The discount} = 1000 + 500 = 1500 \text{ L.E.}$$

$$\text{The price of the phone} = 10,000 - 1,500 = 8,500 \text{ L.E.}$$

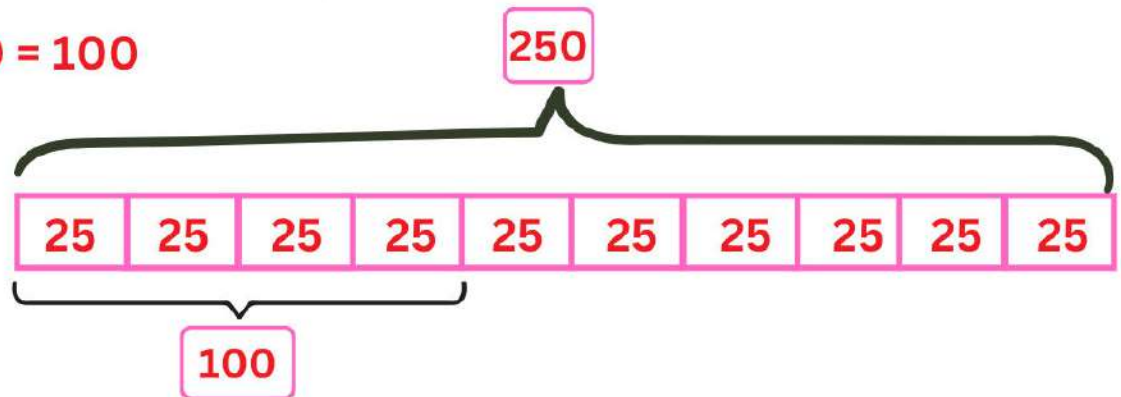
- 4** If 156 LE. is distributed among a group of pupils and each of them takes 6.5 L.E.

Find the number of pupils.

$$\text{The number of pupils} = 156 \div 6.5 = 24 \text{ pupils.}$$

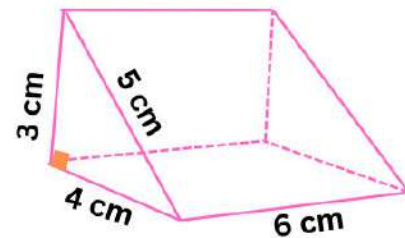
- 5 Use the following tape diagram to find 40 % of 250.

$$40\% \times 250 = 100$$



- 6 Find the surface area of the opposite triangular prism.

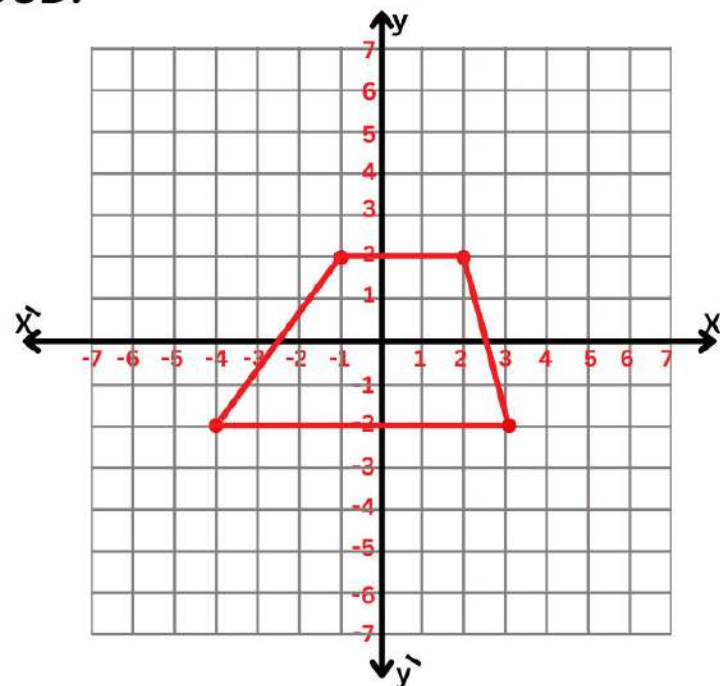
$$\begin{aligned} \text{The surface area} &= (6 \times 4) + (3 \times 6) + (6 \times 5) \\ &+ \left(2 \times \frac{1}{2} \times 4 \times 3\right) = 24 + 18 + 30 + 12 = 84 \text{ cm}^2 \end{aligned}$$



- 7 Plot the following points on the opposite grid:

A (-4 , -2) , B (3 , -2) , C (2 , 2) , D (-1 , 2)
then state the type of the figure ABCD.

The shape is a trapezoid



Q1 Choose the correct answer

1 The distance between -3 and 5 on the number line is ----- units.

- (a) 2 (b) 3 (c) 5 (d) 8

2 The image of the point (2, -4) by reflection across the y-axis is -----

- (a) (2, 4) (b) (-2, -4) (c) (2, -4) (d) (-2, 4)

3 The surface area of a square-based pyramid whose base length is 8 cm and its height is 5 cm is -----cm².

- (a) 100 (b) 120 (c) 144 (d) 150

4 The area of a parallelogram whose base length is 10 cm and its corresponding height is 6 cm is ----- cm².

- (a) 15 (b) 16 (c) 30 (d) 60

5 ----- is a ratio of second term 100

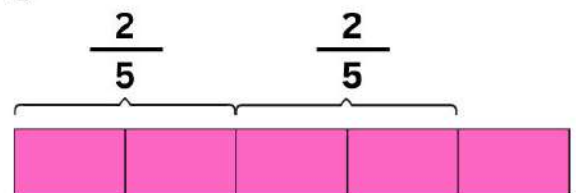
- (a) Rate (b) Ratio (c) Unit rate (d) Percentage

6 $0.37 \times 0.1 =$ -----

- (a) 37 (b) 3.7 (c) 0.37 (d) 0.037

7 The quotient of the opposite tape diagram = -----

- (a) 2 (b) $\frac{2}{5}$
(c) $\frac{4}{5}$ (d) $\frac{5}{2}$



8 From the opposite equivalent ratios, $x + y =$ -----

- (a) 14 (b) 20
(c) 26 (d) 35

3	12	x
5	y	10

9 From the opposite table : the value of the unknown = -----

(a) 30

(b) 120

(c) 300

(d) 480

Whole	Part	Percent
Unknown	120	40%

Q2 Answer the following

1 If the ratio between the number of boys and girls in a class is 4 : 5 and the number of boys is 20 boys.

Find the total number of pupils in the class.

$$20 \div 4 = 5$$

$$\text{The number of girls} = 5 \times 5 = 25 \text{ girls}$$

$$\text{The total number of pupils} = 20 + 25 = 45 \text{ pupils}$$

2 In a mathematics exam Yousef got 38 marks of 40 marks.

Find the percentage of the marks he got.

$$\text{The percentage} = \frac{38}{40} \times 100 \% = 95 \%$$

3 A box of table tennis balls weighs $\frac{5}{9}$ of a kilogram.

If each ball weighs $\frac{15}{81}$ of a kilogram.

How many balls are there in the box ?

$$\frac{5}{9} \div \frac{15}{81} = \frac{5}{9} \times \frac{81}{15} = 3 \text{ balls}$$

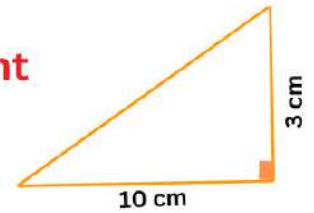
- 4 Mona bought 5 kg of apples. She paid 45 L.E. How much money will she pay to buy 10 kg ?

$$\text{Unit rate} = \frac{45 \text{ L.E.}}{5 \text{ kg}} = 9 \text{ L.E. per kg.}$$

$$\text{The money she paid for 10 kg.} = 9 \times 10 = 90 \text{ L.E.}$$

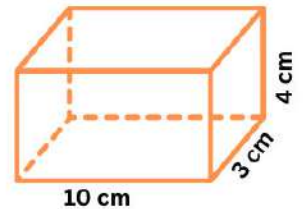
- 5 Find the area of the opposite triangle.

$$\begin{aligned} \text{The area of a triangle} &= \frac{1}{2} \times \text{base} \times \text{corresponding height} \\ &= \frac{1}{2} \times 10 \times 3 = 15 \text{ cm}^2 \end{aligned}$$



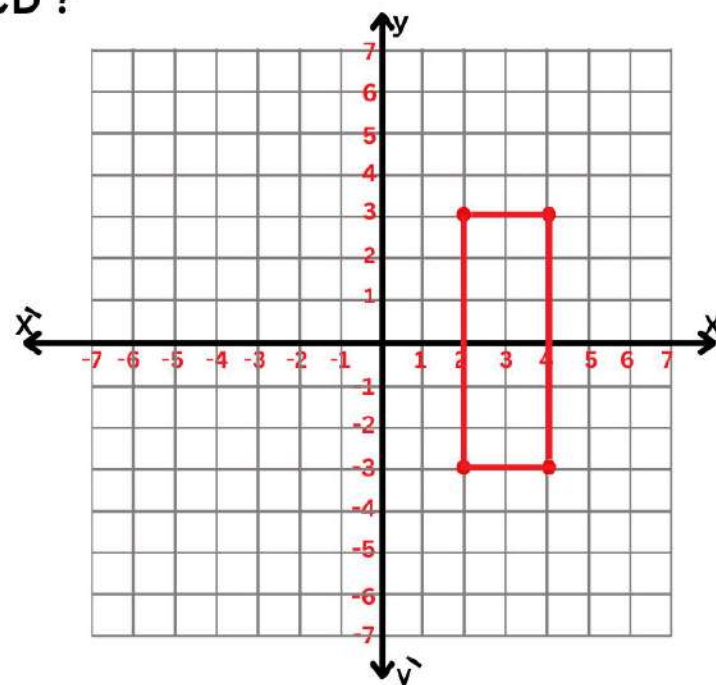
- 6 Find the surface area of the opposite cuboid.

$$\begin{aligned} \text{Area of a cuboid} &= 2 \times (10 \times 3 + 4 \times 3 + 4 \times 10) \\ &= 2 \times 82 = 164 \text{ cm}^2 \end{aligned}$$



- 7 Graph the points : A (4 , 3) , B (4 , -3) , C (2 , -3) , D (2 , 3).
What is the name of the figure ABCD ?

The shape is a rectangle



Q1 Choose the correct answer

1 The image of the point (3 , 0) by reflection across y-axis is -----

- (a) (-3 , 0) (b) (0 , -3) (c) (3 , 0) (d) (0 , 3)

2 60 meters per hour = ----- meter(s) per min.

- (a) 3,600 (b) 120 (c) 360 (d) 1

3 The reciprocal of 5 is -----

- (a) 0 (b) 5 (c) $\frac{1}{5}$ (d) -5

4 ----- $\div \frac{3}{8} = \frac{5}{6}$

- (a) $\frac{5}{16}$ (b) $\frac{1}{2}$ (c) $\frac{15}{16}$ (d) $\frac{9}{20}$

5 How many $\frac{2}{5}$ (s) are there in 4 oranges ?

- (a) 8 (b) 10 (c) $\frac{8}{5}$ (d) $4\frac{2}{5}$

6 If the percentage of boys in a school is 52 % * then the percentage of girls is ----- %

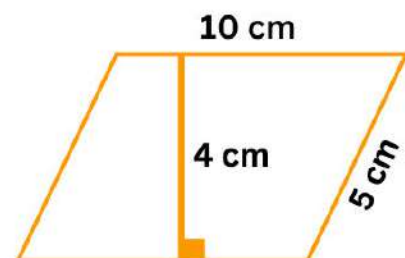
- (a) 52 (b) 48 (c) 0.48 (d) 0.52

7 3.5 cm  25 mm

- (a) < (b) = (c) >

8 Area of the parallelogram = cm^2

- (a) 14 (b) 20
(c) 40 (d) 35



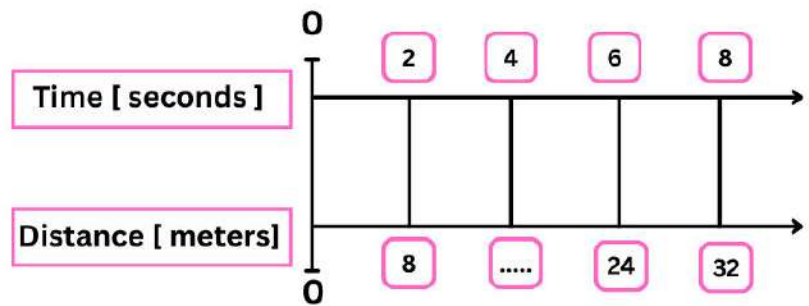
9 The missing number in the opposite double number line is

(a) 8

(b) 18

(c) 16

(d) 12



Q2 Answer the following

1 If the ratio between two numbers is 7:4 and the smaller number is 12 Find the greater number.

$$12 \div 4 = 3$$

$$\text{The greater number} = 7 \times 3 = 21$$

2 A man bought a T.V. set » he was given a 15 % discount of its marked price which was 10,000 LE.

Find its price after discount.

$$10 \% \text{ of } 10,000 \text{ L.E.} = 1000 \text{ L.E.}$$

$$5 \% \text{ of } 10,000 \text{ L.E.} = 500 \text{ L.E.}$$

$$\text{The discount} = 1000 + 500 = 1500 \text{ L.E.}$$

$$\text{The price after discount} = 10,000 - 1500 = 8,500 \text{ L.E.}$$

3 If 437.5 LE. is distributed among the excellent pupils and each of them takes 17.5 L.E.

Find the number of excellent pupils.

$$\text{The number of pupils} = 437.5 \div 17.5 = 25 \text{ pupils.}$$

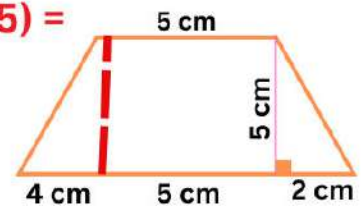
4 Find :

a) $\frac{3}{7} \div 2\frac{1}{3} = \frac{3}{7} \times \frac{3}{7} = \frac{9}{49}$

b) $2.4 \times 0.02 = 0.048$

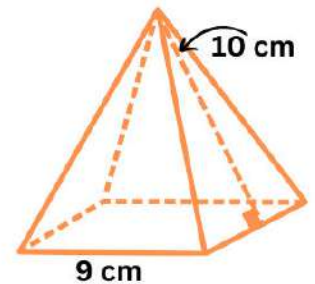
5 Find the area of the opposite trapezium.

The area of trapezium = $(\frac{1}{2} \times 2 \times 5) + (\frac{1}{2} \times 4 \times 5) + (5 \times 5) =$
 $5 + 10 + 25 = 40 \text{ cm}^2$



6 Find the surface area of the opposite square-based pyramid.

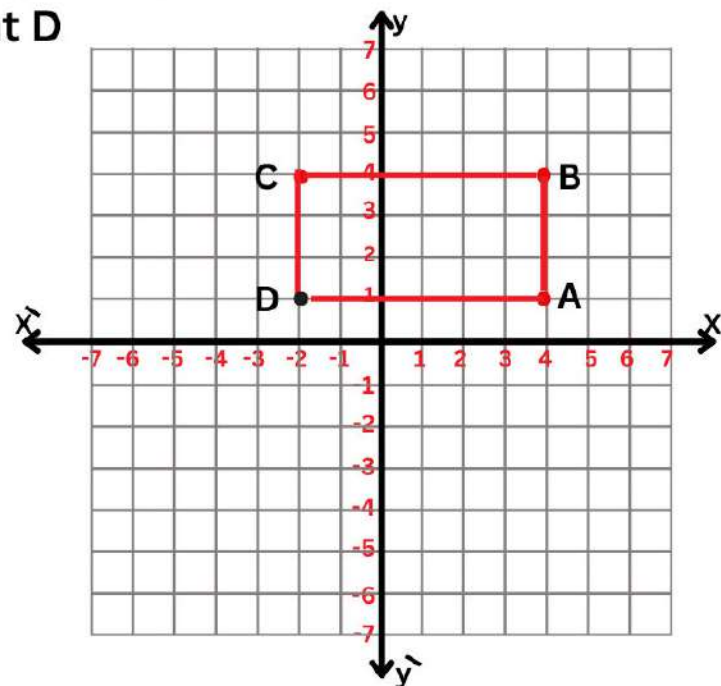
The surface area = $(9 \times 9) + (4 \times \frac{1}{2} \times 9 \times 10) =$
 $81 + 180 = 261 \text{ cm}^2$



7 Graph the points : A (4 , 1) , B (4 , 4) , C (-2 , 4) .

What is the coordinate of the point D such that ABCD is a rectangle ?

D (-2 , 1)



كيفية طباعة صفحات معينة من ملف معين

مثلا ازاي نطبع الصفحات من صفحة 4 الى صفحة 9

